

An illustration of a Blackhawk wrench. The handle is a long, tapered metal rod with a hexagonal cross-section, shown at an angle from the top left. The head is a separate, cylindrical component with a hexagonal base and a circular opening in the center. It is shown below the handle, with several short lines radiating from the base of the handle towards the head, suggesting a connection or adjustment. The entire illustration is rendered in a dark, metallic color against a light, textured background.

# BLACKHAWK WRENCHES

**CATALOGUE  
BA 38**

**KING & Co. Ltd.  
HULL.  
&  
Northgate,  
DARLINGTON.**







## NEW BLACKHAWK WRENCH SETS

*With convenient Trolley Stand  
and detachable fitted Case*

Modern—Inside and Out

### SET No. 70RW

(WHITWORTH STANDARD)

The 70RW assortment is a most complete and compact range of essential handles, attachments and sockets.

Whitworth Sockets range from  $\frac{1}{8}$ " to  $\frac{3}{4}$ ". Handles include ratchet, offset, speeder and extension styles. Yes, a wrench for any job, big or small, delicate or tough.

The new R case is built of strong welded steel. Top cover and front lift in one piece giving full access to the wrenches. Dependable tumbler lock protects tools against theft. Chromium strips—Blackhawk insignia—contrast brilliantly with the attractive red case.

Black, ribbed-rubber matting covers the roomy compartments and tote trays offering protection against marring or scratching.

The R case fits into the RS stand (illustrated above) to make a complete portable workshop.

**No. 70RW Set**, 71 pieces in R case £21 6 9

**No. 70RRSW Set**, complete with R case and RS stand ... £25 7 0

R Case only, 22 $\frac{1}{2}$ " long, 10" high, 12 $\frac{5}{8}$ " wide ... £4 5 9

RS Stand only, 25" high, 22 $\frac{1}{2}$ " wide, 12 $\frac{5}{8}$ " deep ... £4 1 3

### SET No. 70R

(U.S. STANDARD)

This is a similar set to No. 70RW but includes American Standard Sockets which range from  $\frac{3}{16}$ " to  $1\frac{5}{8}$ ".

**No. 70R Set**, 70 pieces in R case ... £22 17 6

**No. 70RRS Set**, complete with R case and RRS stand ... £26 18 9

R Case only ... £4 5 9

RS Stand only ... £4 1 3

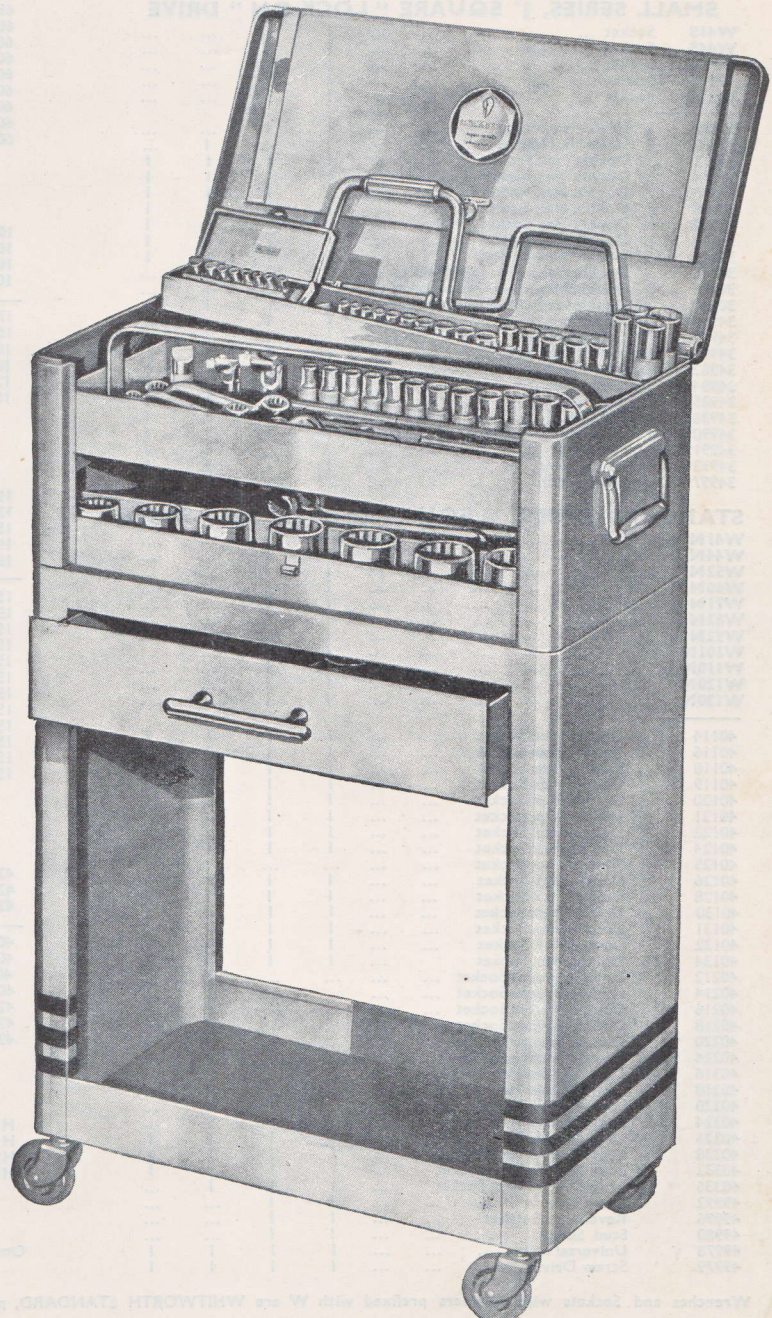
**For contents of No. 70RW and No. 70R sets see page 2**

## CHEST EASILY REMOVED FROM STAND

The R case is quickly removed from the RS stand if the case is to be taken out of the shop.

The RS stand is 25" high, 22 $\frac{1}{2}$ " wide and 12 $\frac{5}{8}$ " deep.

R Case only, 22 $\frac{1}{2}$ " long, 10" high, 12 $\frac{5}{8}$ " wide.





## CONTENTS OF SETS

EXTRA SMALL SERIES,  $\frac{1}{8}$ " SQUARE DRIVE

Tool No.		Tools in Sets			
		100 DSW	70 RW	100 DS	70 R
24997	Handle Bar ...	...	...	...	...
24998	Grip Extension ...	...	...	...	...
24999	Hinged Offset ...	...	...	...	...
21006	$\frac{1}{16}$ " Single Hex Socket ...	...	...	...	...
21007	$\frac{1}{16}$ " Single Hex Socket ...	...	...	...	...
21008	$\frac{3}{32}$ " Single Hex Socket ...	...	...	...	...
21009	$\frac{3}{32}$ " Single Hex Socket ...	...	...	...	...
21010	$\frac{1}{8}$ " Single Hex Socket ...	...	...	...	...
21011	$\frac{1}{8}$ " Single Hex Socket ...	...	...	...	...
21012	$\frac{1}{8}$ " Double Hex Socket ...	...	...	...	...
21014	$\frac{1}{8}$ " Double Hex Socket ...	...	...	...	...
N-2	Metal Case ...	...	...	...	...

SMALL SERIES,  $\frac{1}{4}$ " SQUARE "LOCK-ON" DRIVE

W41S	Socket ...	...	...	...	...
W44S	Socket ...	...	...	...	...
W52S	Socket ...	...	...	...	...
W60S	Socket ...	...	...	...	...
W71S	Socket ...	...	...	...	...
30008	$\frac{1}{16}$ " Single Hex Socket ...	...	...	...	...
30010	$\frac{1}{16}$ " Single Hex Socket ...	...	...	...	...
30012	$\frac{1}{16}$ " Double Hex Socket ...	...	...	...	...
30014	$\frac{1}{16}$ " Double Hex Socket ...	...	...	...	...
30016	$\frac{1}{16}$ " Double Hex Socket ...	...	...	...	...
30018	$\frac{1}{16}$ " Double Hex Socket ...	...	...	...	...
30020	$\frac{1}{16}$ " Double Hex Socket ...	...	...	...	...
30022	$\frac{1}{16}$ " Double Hex Socket ...	...	...	...	...
30024	$\frac{1}{16}$ " Double Hex Socket ...	...	...	...	...
30216	$\frac{1}{8}$ " Double Hex Univ. Joint Socket ...	...	...	...	...
30218	$\frac{1}{8}$ " Double Hex Univ. Joint Socket ...	...	...	...	...
30220	$\frac{1}{8}$ " Double Hex Univ. Joint Socket ...	...	...	...	...
34988	3" Extension ...	...	...	...	...
34987	5" Extension ...	...	...	...	...
34981	Free Wheeling Ratchet ...	...	...	...	...
34982	Speeder Handle ...	...	...	...	...
34984	10" Extension ...	...	...	...	...
34985	Handle Bar ...	...	...	...	...
34986	Hinged Offset ...	...	...	...	...
34990	Release Key ...	...	...	...	...
34991	Screw Driver ...	...	...	...	...
34993	Universal Joint ...	...	...	...	...
34997	Grip Extension ...	...	...	...	...

STANDARD SERIES,  $\frac{1}{2}$ " SQUARE "LOCK-ON" DRIVE

W41N	...	...	...	...	...
W44N	...	...	...	...	...
W52N	...	...	...	...	...
W60N	...	...	...	...	...
W71N	...	...	...	...	...
W82N	...	...	...	...	...
W92N	...	...	...	...	...
W101N	...	...	...	...	...
W110N	...	...	...	...	...
W120N	...	...	...	...	...
W130N	...	...	...	...	...
40114	$\frac{1}{16}$ " Double Hex Socket ...	...	...	...	...
40116	$\frac{1}{16}$ " Double Hex Socket ...	...	...	...	...
40118	$\frac{1}{16}$ " Double Hex Socket ...	...	...	...	...
40119	$\frac{1}{16}$ " Double Hex Socket ...	...	...	...	...
40120	$\frac{1}{16}$ " Double Hex Socket ...	...	...	...	...
40121	$\frac{1}{16}$ " Double Hex Socket ...	...	...	...	...
40122	$\frac{1}{16}$ " Double Hex Socket ...	...	...	...	...
40124	$\frac{1}{16}$ " Double Hex Socket ...	...	...	...	...
40125	$\frac{1}{16}$ " Double Hex Socket ...	...	...	...	...
40126	$\frac{1}{16}$ " Double Hex Socket ...	...	...	...	...
40128	$\frac{1}{16}$ " Double Hex Socket ...	...	...	...	...
40130	$\frac{1}{16}$ " Double Hex Socket ...	...	...	...	...
40131	$\frac{1}{16}$ " Double Hex Socket ...	...	...	...	...
40132	$\frac{1}{16}$ " Double Hex Socket ...	...	...	...	...
40134	$\frac{1}{16}$ " Double Hex Socket ...	...	...	...	...
40212	$\frac{1}{8}$ " Double Square Socket ...	...	...	...	...
40214	$\frac{1}{8}$ " Double Square Socket ...	...	...	...	...
40216	$\frac{1}{8}$ " Double Square Socket ...	...	...	...	...
40218	$\frac{1}{8}$ " Double Square Socket ...	...	...	...	...
40220	$\frac{1}{8}$ " Double Square Socket ...	...	...	...	...
40224	$\frac{1}{8}$ " Double Square Socket ...	...	...	...	...
40316	$\frac{1}{4}$ " Long Double Hex Socket ...	...	...	...	...
40318	$\frac{1}{4}$ " Long Double Hex Socket ...	...	...	...	...
40320	$\frac{1}{4}$ " Long Double Hex Socket ...	...	...	...	...
40324	$\frac{1}{4}$ " Long Double Hex Socket ...	...	...	...	...
40326	$\frac{1}{4}$ " Long Double Hex Socket ...	...	...	...	...
40328	$\frac{1}{4}$ " Long Double Hex Socket ...	...	...	...	...
40332	$\frac{1}{4}$ " Long Double Hex Socket ...	...	...	...	...
40336	$\frac{1}{4}$ " Long Double Hex Socket ...	...	...	...	...
49992	Brace Handle ...	...	...	...	...
49996	Reversible Ratchet ...	...	...	...	...
49980	Stud Setter ...	...	...	...	...
49978	Universal Joint ...	...	...	...	...
49979	Screw Driver ...	...	...	...	...

STANDARD SERIES,  $\frac{1}{2}$ " SQUARE—Continued

Tool No.		Tools in Sets			
		100 DSW	70 RW	100 DS	70 R
49983	6" Extension ...	...	...	...	...
49985	Hinged Offset ...	...	...	...	...
49986	Handle Bar ...	...	...	...	...
49990	10" Extension ...	...	...	...	...
49997	Free Wheeling Ratchet ...	...	...	...	...
49999	Brace Handle ...	...	...	...	...

HEAVY DUTY SERIES,  $\frac{3}{4}$ " SQUARE "LOCK-ON" DRIVE

69995	8 $\frac{1}{2}$ " Extension ...	...	...	...	...
69996	Handle Bar ...	...	...	...	...
69998	Hinged Offset ...	...	...	...	...
69999	Ratchet ...	...	...	...	...
60036	$\frac{1}{2}$ " Double Hex Socket ...	...	...	...	...
60040	$\frac{1}{2}$ " Double Hex Socket ...	...	...	...	...
60044	$\frac{1}{2}$ " Double Hex Socket ...	...	...	...	...
60046	$\frac{1}{2}$ " Double Hex Socket ...	...	...	...	...
60048	$\frac{1}{2}$ " Double Hex Socket ...	...	...	...	...
60052	$\frac{1}{2}$ " Double Hex Socket ...	...	...	...	...
60056	$\frac{1}{2}$ " Double Hex Socket ...	...	...	...	...
60058	$\frac{1}{2}$ " Double Hex Socket ...	...	...	...	...

## OPEN-END WRENCHES (Armstrong)

Tool No.	Whit. size					
1021-W	$\frac{1}{8}$ " & $\frac{3}{16}$ "	...	...	...	...	...
1025-W	$\frac{1}{4}$ " & $\frac{1}{2}$ "	...	...	...	...	...
1029-W	$\frac{3}{8}$ " & $\frac{7}{8}$ "	...	...	...	...	...
1033-W	$\frac{1}{2}$ " & 1"	...	...	...	...	...
1723	$\frac{3}{8}$ " & $\frac{7}{8}$ "	Open End Wrench	...	...	...	...
1025	$\frac{1}{4}$ " & $\frac{1}{2}$ "	Open End Wrench	...	...	...	...
1027C	$\frac{3}{8}$ " & $\frac{7}{8}$ "	Open End Wrench	...	...	...	...
1028S	$\frac{1}{2}$ " & 1"	Open End Wrench	...	...	...	...
1731A	$\frac{3}{8}$ " & $\frac{7}{8}$ "	Open End Wrench	...	...	...	...
1033C	$\frac{1}{2}$ " & 1"	Open End Wrench	...	...	...	...

## BOX-TYPE WRENCHES (Armstrong)

Tool No.	Whit. size					
15320	$\frac{1}{8}$ " & $\frac{3}{16}$ "	Box-Type Wrench	...	...	...	...
15321	$\frac{1}{4}$ " & $\frac{1}{2}$ "	Box-Type Wrench	...	...	...	...
15322	$\frac{3}{8}$ " & $\frac{7}{8}$ "	Box-Type Wrench	...	...	...	...
15323	$\frac{1}{2}$ " & 1"	Box-Type Wrench	...	...	...	...
15324	$\frac{3}{4}$ " & 1 $\frac{1}{2}$ "	Box-Type Wrench	...	...	...	...
15180	$\frac{3}{8}$ " & $\frac{7}{8}$ "	Box-Type Wrench	...	...	...	...
15181	$\frac{1}{2}$ " & 1"	Box-Type Wrench	...	...	...	...
15182	$\frac{3}{4}$ " & 1 $\frac{1}{2}$ "	Box-Type Wrench	...	...	...	...
15183	$\frac{1}{2}$ " & 1"	Box-Type Wrench	...	...	...	...
15184	$\frac{3}{4}$ " & 1 $\frac{1}{2}$ "	Box-Type Wrench	...	...	...	...
15185	$\frac{1}{2}$ " & 1"	Box-Type Wrench	...	...	...	...
15612	$\frac{1}{4}$ " & $\frac{1}{2}$ "	Double Hex	...	...	...	...
15613	$\frac{3}{8}$ " & $\frac{7}{8}$ "	Double Hex	...	...	...	...
15614	$\frac{1}{2}$ " & 1"	Double Hex	...	...	...	...
15625	$\frac{3}{8}$ " & $\frac{7}{8}$ "	Double Hex	...	...	...	...
15626	$\frac{1}{2}$ " & 1"	Double Hex	...	...	...	...
15627	$\frac{3}{4}$ " & 1 $\frac{1}{2}$ "	Double Hex	...	...	...	...

## TAPPET OPEN-END WRENCHES (Armstrong)

Tool No.	Whit. size					
422-W	$\frac{1}{16}$ " & $\frac{1}{8}$ "	Tappet Wrench	...	2	...	...
424-W	$\frac{1}{8}$ " & $\frac{1}{4}$ "	Tappet Wrench	...	2	...	...
426-W	$\frac{1}{4}$ " & $\frac{3}{8}$ "	Tappet Wrench	...	2	...	...
402	$\frac{1}{8}$ " & $\frac{1}{4}$ "	Tappet Wrench	...	2	...	...
403	$\frac{1}{4}$ " & $\frac{3}{8}$ "	Tappet Wrench	...	2	...	...
404	$\frac{3}{8}$ " & $\frac{1}{2}$ "	Tappet Wrench	...	2	...	...
405	$\frac{1}{2}$ " & $\frac{3}{4}$ "	Tappet Wrench	...	2	...	...
422	$\frac{1}{16}$ " & $\frac{1}{8}$ "	Tappet Wrench	...	...	2	...
424	$\frac{1}{8}$ " & $\frac{1}{4}$ "	Tappet Wrench	...	...	2	...
426	$\frac{1}{4}$ " & $\frac{3}{8}$ "	Tappet Wrench	...	...	2	...

## IGNITION OPEN-END WRENCHES

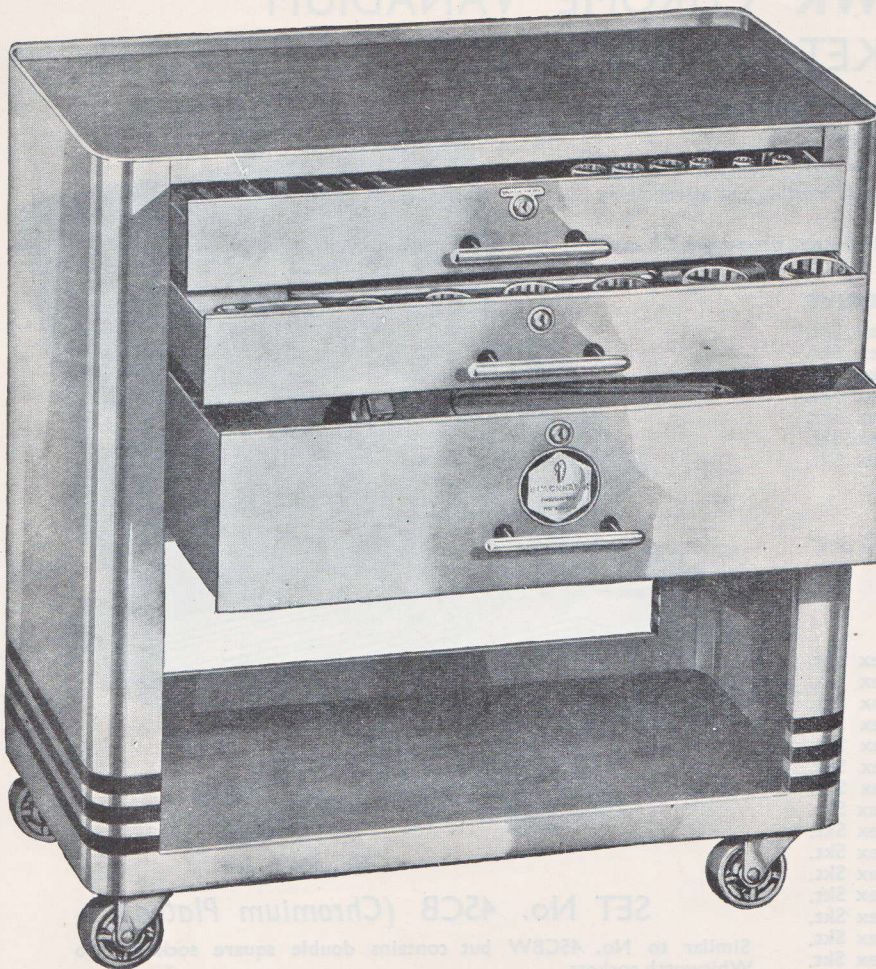
H10	$\frac{3}{16}$ " & $\frac{7}{32}$ "	Ignition Wrench	...	...	...	...
H12	$\frac{1}{4}$ " & $\frac{5}{16}$ "	Ignition Wrench	...	...	...	...
H14	$\frac{5}{16}$ " & $\frac{3}{4}$ "	Ignition Wrench	...	...	...	...
H16	$\frac{3}{8}$ " & $\frac{1}{2}$ "	Ignition Wrench	...	...	...	...

## IGNITION SET No. 18

One each of the following Wrenches : E2, E3,  
E4, E5, E6, E7, E8, E9, E10, E11 ... 10 ...

Wrenches and Sockets with numbers prefixed with W are WHITWORTH STANDARD, prefixed with M are METRIC STANDARD, all others are U.S. STANDARD





## NEW BLACKHAWK WRENCH SETS

*In convenient time-saving trolley*

This sturdy, welded-steel stand wheels tools and other equipment right to the job, saving countless trips to distant work benches.

There's no finer way to produce new business and keep old customers coming back than to point out a well equipped shop. And Blackhawk wrench chests and stands will more than do their share. Better tools mean better workmanship. Appearances count these days when customers are taking their business to the shop that both looks and is efficient.

The DS stand is 33" high, 30" wide and 16" deep. All drawers slide on rollers and have built in locks. Black ribbed-rubber matting in drawers and trays prevents tools from rattling and marring finish.

Rubber-tyred castors glide the trolley over any floor—silently and easily. Drawers have subdivided interiors for keeping sockets and handles in order.

## SET No. 100DSW

(WHITWORTH STANDARD)

This is a most complete set containing 119 pieces. It can be wheeled up to any job with confidence, and with the assurance that the mechanic has all his tools on the spot.

Apart from the time saved by obviating "tool-hunting," the resulting efficiency creates a good impression on customers who may be watching.

Whitworth sockets included, range from  $\frac{1}{8}$ " to  $\frac{3}{4}$ ".

<b>No. 100DSW</b> Set, complete in DS Stand	... ..	<b>£33 15 0</b>
DS Stand only	... ..	<b>£10 8 0</b>

## SET No. 100DS

(U.S. STANDARD)

This set is intended for American Standard Bolt sizes.

It contains 101 pieces and is able to handle all cars with American sized nuts.

Contrast the smart and business-like appearance of this wrench trolley with the old-fashioned method of keeping wrenches.

There is no need to emphasise the gain in time-saving, the efficiency, and better workmanship which result from the use of this specially designed wrench set.

The customer can see all this at a glance.

<b>No. 100DS</b> Set, complete in DS Stand	... ..	<b>£38 10 6</b>
DS Stand only	... ..	<b>£10 8 0</b>

**For contents of No. 100DSW and No.100DS sets see page 2**



## BLACKHAWK CHROME VANADIUM SOCKET WRENCH SETS

### SET No. 45CBW (Chromium Plated)

(WHITWORTH STANDARD)

It's practical, complete, and priced within the reach of every mechanic. Beautiful chromium-plated tools—a full assortment of our latest handles and attachments that help make jobs easier and more profitable.

The No. 45CBW Assortment is packed in an attractive steel, drop-front CB case.

#### CONTENTS OF SET

##### SMALL SERIES— $\frac{3}{8}$ " SQUARE "LOCK-ON" DRIVE

W41S	$\frac{25}{64}$ "	Dbl. Hex Skt.	30012	$\frac{3}{8}$ "	Dbl. Hex Skt.
W44S	$\frac{7}{16}$ "	Dbl. Hex Skt.	30014	$\frac{7}{16}$ "	Dbl. Hex Skt.
W52S	$\frac{9}{16}$ "	Dbl. Hex Skt.	30016	$\frac{1}{2}$ "	Dbl. Hex Skt.
W60S	$\frac{5}{8}$ "	Dbl. Hex Skt.	30018	$\frac{9}{16}$ "	Dbl. Hex Skt.
W71S	$\frac{3}{4}$ "	Dbl. Hex Skt.	30020	$\frac{5}{8}$ "	Dbl. Hex Skt.
30008	$\frac{1}{4}$ "	Sgl. Hex Skt.	30022	$\frac{11}{16}$ "	Dbl. Hex Skt.
30010	$\frac{5}{16}$ "	Sgl. Hex Skt.	30024	$\frac{3}{4}$ "	Dbl. Hex Skt.
34988	$\frac{7}{16}$ "	Dia. x $\frac{3}{32}$ " Drive Ext. Piece			
34987	$\frac{7}{16}$ "	Dia. x $\frac{5}{32}$ " Drive Ext. Piece			
34986	$\frac{7}{16}$ "	Hinged Offset Handle			
34981		Reversible "Free Wheeling" Ratchet— $1\frac{3}{16}$ " x 7"			
34985		Handle Bar $\frac{3}{8}$ " x 7"			
34990		Lock on Release Key			

##### STANDARD SERIES— $\frac{1}{2}$ " SQUARE "LOCK-ON" DRIVE

49992		Brace Handle	40124	$\frac{3}{4}$ "	Dbl. Hex Skt.
49983		Extension Bar	40126	$\frac{13}{16}$ "	Dbl. Hex Skt.
49990		Extension Bar	40128	$\frac{15}{16}$ "	Dbl. Hex Skt.
49985		Hinged Offset	40130	$\frac{15}{16}$ "	Dbl. Hex Skt.
49996		Reversible Mechanical Ratchet	40131	$\frac{31}{32}$ "	Dbl. Hex Skt.
			40132	$\frac{1}{2}$ "	Dbl. Hex Skt.
49986		Handle Bar	40134	$1\frac{1}{16}$ "	Dbl. Hex Skt.
49978		Universal Joint	W41N	$\frac{1}{8}$ "	Dbl. Hex Skt.
49980		Stud Setter	W44N	$\frac{1}{8}$ "	Dbl. Hex Skt.
40332		Thin Wall Spark Socket	W52N	$\frac{1}{4}$ "	Dbl. Hex Skt.
40114	$\frac{7}{16}$ "	Dbl. Hex Skt.	W60N	$\frac{5}{16}$ "	Dbl. Hex Skt.
40116	$\frac{7}{16}$ "	Dbl. Hex Skt.	W71N	$\frac{5}{16}$ "	Dbl. Hex Skt.
40118	$\frac{9}{16}$ "	Dbl. Hex Skt.	W82N	$\frac{7}{16}$ "	Dbl. Hex Skt.
40119	$\frac{9}{16}$ "	Dbl. Hex Skt.	W92N	$\frac{1}{2}$ "	Dbl. Hex Skt.
40120	$\frac{9}{16}$ "	Dbl. Hex Skt.	W101N	$\frac{9}{16}$ "	Dbl. Hex Skt.
40121	$\frac{21}{32}$ "	Dbl. Hex Skt.	W110N	$\frac{9}{16}$ "	Dbl. Hex Skt.
40122	$\frac{11}{16}$ "	Dbl. Hex Skt.	W120N	$\frac{11}{16}$ "	Dbl. Hex Skt.
			W130N	$\frac{1}{2}$ "	Dbl. Hex Skt.

No. 45CBW Complete ... Price £15 11 0

### SET No. 45CBM (Chromium Plated)

(METRIC STANDARD)

Similar to Set No. 45CBW except that the following Metric sockets are included in place of Whitworth sockets:—

##### SMALL SERIES— $\frac{3}{8}$ " SQUARE "LOCK-ON" DRIVE

m/m		m/m	
<b>M7806S</b>	6 Dbl. Hex Skt.	<b>M7812S</b>	12 Dbl. Hex Skt.
<b>M7807S</b>	7 Dbl. Hex Skt.	<b>M7814S</b>	14 Dbl. Hex Skt.
<b>M7808S</b>	8 Dbl. Hex Skt.	<b>M7816S</b>	16 Dbl. Hex Skt.
<b>M7809S</b>	9 Dbl. Hex Skt.	<b>M7817S</b>	17 Dbl. Hex Skt.
<b>M7810S</b>	10 Dbl. Hex Skt.	<b>M7819S</b>	19 Dbl. Hex Skt.
<b>M7811S</b>	11 Dbl. Hex Skt.		

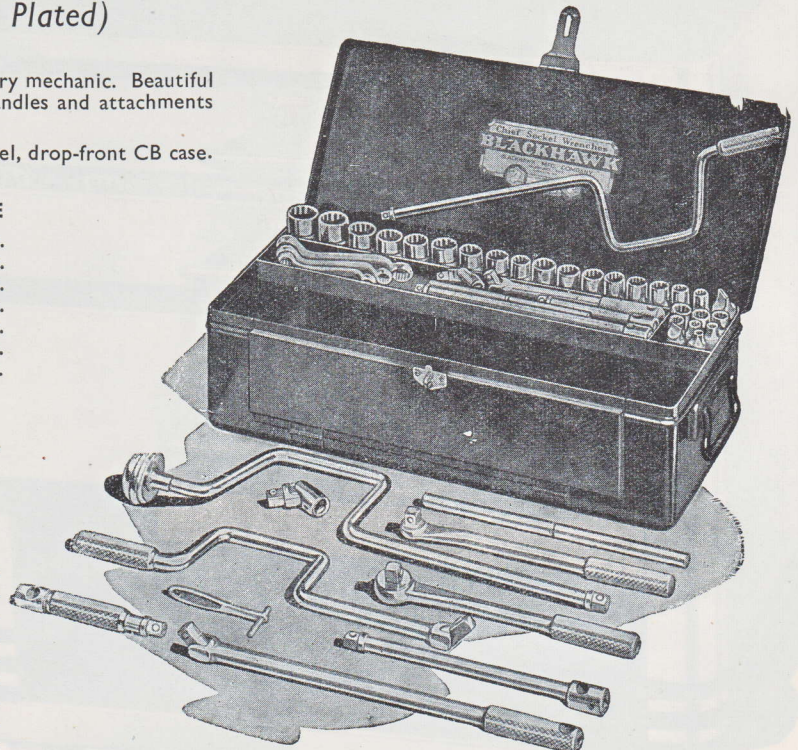
##### STANDARD SERIES— $\frac{1}{2}$ " SQUARE "LOCK-ON" DRIVE

LOCK-ON DRIVE

m/m			m/m		
<b>M8410</b>	10	Dbl. Hex Skt.	<b>M8419</b>	19	Dbl. Hex Skt.
<b>M8411</b>	11	Dbl. Hex Skt.	<b>M8420</b>	20	Dbl. Hex Skt.
<b>M8412</b>	12	Dbl. Hex Skt.	<b>M8421</b>	21	Dbl. Hex Skt.
<b>M8413</b>	13	Dbl. Hex Skt.	<b>M8422</b>	22	Dbl. Hex Skt.
<b>M8414</b>	14	Dbl. Hex Skt.	<b>M8423</b>	23	Dbl. Hex Skt.
<b>M8415</b>	15	Dbl. Hex Skt.	<b>M8424</b>	24	Dbl. Hex Skt.
<b>M8416</b>	16	Dbl. Hex Skt.	<b>M8425</b>	25	Dbl. Hex Skt.
<b>M8417</b>	17	Dbl. Hex Skt.	<b>M8426</b>	26	Dbl. Hex Skt.
<b>M8418</b>	18	Dbl. Hex Skt.	<b>M8427</b>	27	Dbl. Hex Skt.

No. 45CBM Complete ... Price £13 5 9

Wrenches and Sockets with numbers prefixed with W are WHITWORTH STANDARD, prefixed with M are METRIC STANDARD, all others are U.S. STANDARD.



No. 45CB Set

### SET No. 45CB (Chromium Plated)

Similar to No. 45CBW but contains double square sockets. No Whitworth sockets.

#### CONTENTS OF SET

##### SMALL SERIES— $\frac{3}{8}$ " SQUARE "LOCK-ON" DRIVE

34982	Brace Handle	30008	$\frac{1}{4}$ "	Sgl. Hex Socket
34986	Hinged Offset	30010	$\frac{5}{16}$ "	Sgl. Hex Socket
34985	Handle Bar	30012	$\frac{3}{8}$ "	Dbl. Hex Socket
34987	5" Extension	30014	$\frac{7}{16}$ "	Dbl. Hex Socket
34984	10" Extension	30016	$\frac{1}{2}$ "	Dbl. Hex Socket
34993	Universal	30018	$\frac{9}{16}$ "	Dbl. Hex Socket
34991	Screw Driver	30020	$\frac{5}{8}$ "	Dbl. Hex Socket

##### STANDARD SERIES— $\frac{1}{2}$ " SQUARE "LOCK-ON" DRIVE

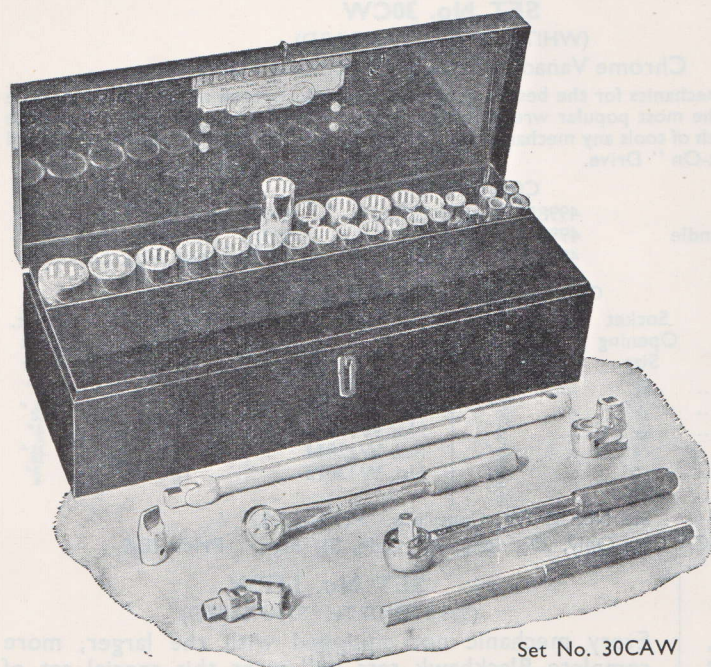
49994	Speeder	40120	$\frac{7}{8}$ "	Dbl. Hex Socket
49993	Univ. Speeder	40121	$\frac{23}{32}$ "	Dbl. Hex Socket
49981	Obstr. Offset	40122	$\frac{11}{16}$ "	Dbl. Hex Socket
49985	Hinged Offset	40124	$\frac{3}{4}$ "	Dbl. Hex Socket
49986	Handle Bar	40125	$\frac{25}{32}$ "	Dbl. Hex Socket
49997	Ratchet	40126	$\frac{13}{32}$ "	Dbl. Hex Socket
49983	6" Extension	40128	$\frac{5}{8}$ "	Dbl. Hex Socket
49990	10" Extension	40130	$\frac{15}{16}$ "	Dbl. Hex Socket
49978	Universal	40132	$1\frac{1}{16}$ "	Dbl. Hex Socket
49979	Screw Driver	40214	$\frac{7}{16}$ "	Dbl. Square Socket
34990	Release Key	40216	$\frac{9}{16}$ "	Dbl. Square Socket
40114	$\frac{7}{16}$ " Dbl. Hex Socket	40218	$\frac{5}{8}$ "	Dbl. Square Socket
40116	$\frac{1}{2}$ " Dbl. Hex Socket	40220	$\frac{3}{4}$ "	Dbl. Square Socket
40118	$\frac{9}{16}$ " Dbl. Hex Socket	40224	$\frac{7}{8}$ "	Dbl. Square Socket
40119	$\frac{5}{8}$ " Dbl. Hex Socket			

Box Type Wrenches  $\frac{3}{8}$ " to  $\frac{11}{16}$ ", Nos. 15612, 15613 and 15614.

No. 45CB Complete ... Price £13 13 9



## BLACKHAWK CHROME VANADIUM SOCKET WRENCH SETS



Set No. 30CAW

### SET No. 30CAM (METRIC STANDARD)

This set is similar in contents to the No. 30CAW Set, but with metric sockets replacing the Whitworth sockets. All the sockets and tools are of Chrome Vanadium, chromium plated steel.

#### CONTENTS OF SET

49992	Brace Handle	40118	$\frac{9}{16}$ "	Dbl. Hex Skt.
49983	Extension Bar	40119	$\frac{19}{32}$ "	Dbl. Hex Skt.
49990	Extension Bar	40120	$\frac{5}{8}$ "	Dbl. Hex Skt.
49985	Hinged Offset	40121	$\frac{31}{32}$ "	Dbl. Hex Skt.
49996	Reversible Mechanical Ratchet	40122	$\frac{11}{16}$ "	Dbl. Hex Skt.
49986	Handle Bar	40124	$\frac{3}{4}$ "	Dbl. Hex Skt.
49978	Universal Joint	40126	$\frac{13}{16}$ "	Dbl. Hex Skt.
49980	Stud Setter	40128	$\frac{7}{8}$ "	Dbl. Hex Skt.
40332	Thin Wall Spark Socket	40130	$\frac{15}{16}$ "	Dbl. Hex Skt.
40114	$\frac{7}{16}$ " Dbl. Hex Skt.	40131	$\frac{31}{32}$ "	Dbl. Hex Skt.
40116	$\frac{1}{2}$ " Dbl. Hex Skt.	40132	1"	Dbl. Hex Skt.
		40134	1 $\frac{1}{16}$ "	Dbl. Hex Skt.

#### Metric Sockets

M8410	10 m/m Dbl. Hex St.	M8419	19 m/m Dbl. Hex St.
M8411	11 m/m Dbl. Hex St.	M8420	20 m/m Dbl. Hex St.
M8412	12 m/m Dbl. Hex St.	M8421	21 m/m Dbl. Hex St.
M8413	13 m/m Dbl. Hex St.	M8422	22 m/m Dbl. Hex St.
M8414	14 m/m Dbl. Hex St.	M8423	23 m/m Dbl. Hex St.
M8415	15 m/m Dbl. Hex St.	M8424	24 m/m Dbl. Hex St.
M8416	16 m/m Dbl. Hex St.	M8425	25 m/m Dbl. Hex St.
M8417	17 m/m Dbl. Hex St.	M8426	26 m/m Dbl. Hex St.
M8418	18 m/m Dbl. Hex St.	M8427	27 m/m Dbl. Hex St.

No. 30CAM Complete £10 7 3

### SET No. 30CAW

(WHITWORTH STANDARD)

This set is the choice of the most experienced mechanics. It contains an extensive assortment of Whitworth and American sockets. Every tool in the set is made of the finest Chrome Vanadium Steel—chrome plated. With this fine range of tools at his command, the mechanic is now in a position to tackle any automotive job. The case has in the lower compartment sufficient room to enable other tools such as hammers, pliers, files, etc., to be carried.

#### CONTENTS OF SET

##### Standard Series $\frac{1}{2}$ " Square "Lock-on" Drive

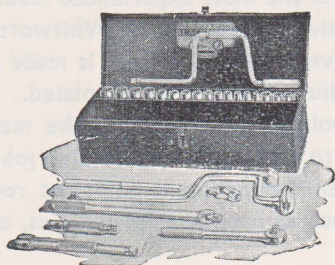
49992	Brace Handle
49983	Extension Bar
49990	Extension Bar
49985	Hinged Offset
49996	Reversible Mechanical Ratchet
49986	Handle Bar
49978	Universal Joint
49980	Stud Setter
40332	Thin Wall Spark Socket
40114	$\frac{7}{16}$ " Double Hexagon Socket
40116	$\frac{1}{2}$ " Double Hexagon Socket
40118	$\frac{9}{16}$ " Double Hexagon Socket
40119	$\frac{19}{32}$ " Double Hexagon Socket
40120	$\frac{5}{8}$ " Double Hexagon Socket
40121	$\frac{31}{32}$ " Double Hexagon Socket
40122	$\frac{11}{16}$ " Double Hexagon Socket
40124	$\frac{3}{4}$ " Double Hexagon Socket
40126	$\frac{13}{16}$ " Double Hexagon Socket
40128	$\frac{7}{8}$ " Double Hexagon Socket
40130	$\frac{15}{16}$ " Double Hexagon Socket
40131	$\frac{31}{32}$ " Double Hexagon Socket
40132	1" Double Hexagon Socket
40134	1 $\frac{1}{16}$ " Double Hexagon Socket
W41N	$\frac{1}{8}$ " Double Hexagon Socket
W44N	$\frac{3}{16}$ " Double Hexagon Socket
W52N	$\frac{1}{4}$ " Double Hexagon Socket
W60N	$\frac{5}{16}$ " Double Hexagon Socket
W71N	$\frac{3}{8}$ " Double Hexagon Socket
W82N	$\frac{7}{16}$ " Double Hexagon Socket
W92N	$\frac{1}{2}$ " Double Hexagon Socket
W101N	$\frac{9}{16}$ " Double Hexagon Socket
W110N	$\frac{5}{8}$ " Double Hexagon Socket
W120N	$\frac{11}{16}$ " Double Hexagon Socket
W130N	$\frac{3}{4}$ " Double Hexagon Socket

No. 30CAW Complete £10 13 3

Wrenches and Sockets with numbers prefixed with W are WHITWORTH STANDARD, prefixed with M are METRIC STANDARD, all others are U.S. STANDARD.



## BLACKHAWK CHROME VANADIUM SOCKET WRENCH SETS



Set No. 30CW

### SET No. 30CW

(WHITWORTH STANDARD)

Chrome Vanadium Steel—Chromium Plated

The demand of mechanics for the best in general automobile wrench assortments has made the No. 30CW the most popular wrench set available. Packed in a neat case to make the best looking bunch of tools any mechanic could want to own. Units in this set have standard  $\frac{1}{2}$ " Square "Lock-On" Drive.

#### CONTENTS OF SET

49994 Speeder  
49992 Brace Handle  
49996 Ratchet

49985 Hinged Offset  
49986 Handle Bar  
49983 6" Extension

49987 10" Extension  
49978 Universal Joint  
49979 Drag Link Socket

#### One Each Double Hexagon Sockets

	Socket Opening Size	Whit. Bolt Size		Socket Opening Size	Whit. Bolt Size
No. W41N	$\frac{25}{64}$ "	$\frac{1}{8}$ "	No. W92N	$\frac{15}{16}$ "	$\frac{1}{2}$ "
No. W44N	$\frac{7}{16}$ "	$\frac{3}{16}$ "	No. W101N	1"	$\frac{9}{16}$ "
No. W52N	$\frac{9}{16}$ "	$\frac{1}{4}$ "	No. W110N	$1\frac{1}{8}$ "	$\frac{5}{8}$ "
No. W60N	$\frac{5}{8}$ "	$\frac{5}{16}$ "	No. W120N	$1\frac{1}{4}$ "	$\frac{11}{16}$ "
No. W71N	$\frac{3}{4}$ "	$\frac{3}{8}$ "	No. W130N	$1\frac{3}{8}$ "	$\frac{3}{4}$ "
No. W82N	$\frac{13}{16}$ "	$\frac{7}{16}$ "			

Set No. 30CW, Complete. Price £7 17 6

CA Case Only, 20 $\frac{1}{8}$ " long, 7 $\frac{3}{8}$ " wide, 5 $\frac{1}{2}$ " high. Price 18/9

### SET No. 30CM

(METRIC STANDARD)

Chrome Vanadium Steel—Chromium Plated

Handles and Attachments same as Set No. 30CW shown above, but with the following Metric Chrome Vanadium Steel Double Hexagon Sockets substituted.

	Socket Opening Size	Metric Bolt Size		Socket Opening Size	Metric Bolt Size
No. M8410	10 m/m	6	No. M8417	17 m/m	10
No. M8411	11 m/m	—	No. M8418	18 m/m	—
No. M8412	12 m/m	7	No. M8419	19 m/m	—
No. M8413	13 m/m	—	No. M8421	21 m/m	12
No. M8414	14 m/m	8	No. M8422	22 m/m	—
No. M8415	15 m/m	—	No. M8423	23 m/m	14
No. M8416	16 m/m	9	No. M8426	26 m/m	16

Set No. 30CM, Complete. Price £7 0 0

### SET No. 30CD

(U.S. STANDARD)

Chrome Vanadium Steel—Chromium Plated

Handles and Attachments same as Set No. 30CW shown above, but with the following Chrome Vanadium Steel Double Hexagon Sockets substituted.

40012	$\frac{3}{8}$ "	Dbl. Hex Skt.	40022	$\frac{11}{16}$ "	Dbl. Hex Skt.	40031	$\frac{31}{32}$ "	Dbl. Hex Skt.
40014	$\frac{7}{16}$ "	Dbl. Hex Skt.	40024	$\frac{3}{4}$ "	Dbl. Hex Skt.	40032	1"	Dbl. Hex Skt.
40016	$\frac{1}{2}$ "	Dbl. Hex Skt.	40025	$\frac{9}{16}$ "	Dbl. Hex Skt.	40214	$\frac{1}{2}$ "	Dbl. Sq. Skt.
40018	$\frac{5}{8}$ "	Dbl. Hex Skt.	40026	$\frac{5}{8}$ "	Dbl. Hex Skt.	40216	$\frac{3}{8}$ "	Dbl. Sq. Skt.
40019	$\frac{11}{16}$ "	Dbl. Hex Skt.	40028	$\frac{3}{4}$ "	Dbl. Hex Skt.	40218	$\frac{7}{16}$ "	Dbl. Sq. Skt.
40020	$\frac{13}{16}$ "	Dbl. Hex Skt.	40030	$\frac{15}{16}$ "	Dbl. Hex Skt.	40220	$\frac{1}{2}$ "	Dbl. Sq. Skt.

Set No. 30CD, Complete. Price £7 16 3

### SET No. 17TM

(METRIC STANDARD)

As Set No. 17TW but with the following Metric Standard Chrome Vanadium Steel Double Hexagon Sockets substituted.

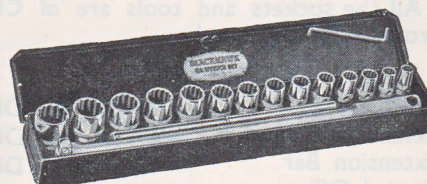
	Socket Opening Size	Metric Bolt Size		Socket Opening Size	Metric Bolt Size
No. M8410	10 m/m	6	No. M8417	17 m/m	10
No. M8411	11 m/m	—	No. M8418	18 m/m	—
No. M8412	12 m/m	7	No. M8419	19 m/m	—
No. M8413	13 m/m	—	No. M8421	21 m/m	12
No. M8414	14 m/m	8	No. M8422	22 m/m	—
No. M8415	15 m/m	—	No. M8423	23 m/m	14
No. M8416	16 m/m	9	No. M8426	26 m/m	16

Set No. 17TM, Complete. Price £3 1 6

### SET No. 17TW

(WHITWORTH STANDARD)

Every mechanic not equipped with the larger, more complete Blackhawk sets will want this special set of Hinged Offset, handle bar, release key and 11 of the most popular double hexagon socket drives. Units in this set have standard  $\frac{1}{2}$ " square lock-on drive. Packed in metal case T.



Set No. 17TW

#### Contents of Set

One each of Standard Hinged Offset, 18" long, No. 49988, Handle Bar No. 49986, and Release Key.

#### One Each Double Hexagon Sockets

	Socket Opening Size	Whit. Bolt Size		Socket Opening Size	Whit. Bolt Size
No. W41N	$\frac{25}{64}$ "	$\frac{1}{8}$ "	No. W92N	$\frac{15}{16}$ "	$\frac{1}{2}$ "
No. W44N	$\frac{7}{16}$ "	$\frac{3}{16}$ "	No. W101N	1"	$\frac{9}{16}$ "
No. W52N	$\frac{9}{16}$ "	$\frac{1}{4}$ "	No. W110N	$1\frac{1}{8}$ "	$\frac{5}{8}$ "
No. W60N	$\frac{5}{8}$ "	$\frac{5}{16}$ "	No. W120N	$1\frac{1}{4}$ "	$\frac{11}{16}$ "
No. W71N	$\frac{3}{4}$ "	$\frac{3}{8}$ "	No. W130N	$1\frac{3}{8}$ "	$\frac{3}{4}$ "
No. W82N	$\frac{13}{16}$ "	$\frac{7}{16}$ "			

Set No. 17TW, Complete. Price £3 19 0

### SET No. 17TD

(U.S. STANDARD)

Same Handles and Attachments as Set No. 17TW, but with Chrome Vanadium Steel Double Hexagon Sockets from  $\frac{3}{8}$ " to  $1\frac{1}{8}$ ", Nos. 40012, 40014, 40016, 40018, 40019, 40020, 40022, 40024, 40026, 40028, 40030, 40032, 40034, 40036.

Set No. 17TD, Complete. Price £3 8 9

Wrenches and Sockets with numbers prefixed with W are WHITWORTH STANDARD, prefixed with M are METRIC STANDARD, all others are U.S. STANDARD.



## BLACKHAWK CHROME VANADIUM SOCKET WRENCH SETS

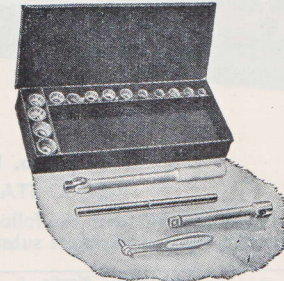
### No. 38C Set

Here is a compact but very complete set of  $\frac{3}{8}$ " Drive Sockets all Chrome Vanadium Steel—Chrome Plated. There is a full range of Whitworth and American Sockets. Every mechanic having a complete set of larger sized sockets will appreciate the value of the  $\frac{3}{8}$ " Drive Set to enable the lighter class of automobile work to be carried out efficiently.

#### CONTENTS OF SET

#### SMALL SERIES $\frac{3}{8}$ " SQUARE "LOCK-ON" DRIVE

34988	$\frac{7}{16}$ " Dia. x $3\frac{3}{8}$ " Drive Ext. Piece	W60S	$\frac{5}{8}$ " Double Hex Socket
34987	$\frac{7}{16}$ " Dia. x $5\frac{3}{8}$ " Drive Ext. Piece	W71S	$\frac{3}{4}$ " Double Hex Socket
34986	$\frac{7}{16}$ " Hinged Offset Handle	30008	$\frac{1}{4}$ " Single Hex Socket
34981	Reversible "Free Wheeling" Ratchet $\frac{13}{16}$ " x 7"	30010	$\frac{5}{16}$ " Single Hex Socket
34985	Handle Bar $\frac{3}{8}$ " x 7"	30012	$\frac{3}{8}$ " Single Hex Socket
34990	Lock on Release Key	30014	$\frac{7}{16}$ " Single Hex Socket
W41S	$\frac{25}{64}$ " Double Hex Socket	30016	$\frac{1}{2}$ " Single Hex Socket
W44S	$\frac{1}{16}$ " Double Hex Socket	30018	$\frac{9}{16}$ " Single Hex Socket
W52S	$\frac{9}{16}$ " Double Hex Socket	30020	$\frac{5}{8}$ " Single Hex Socket
		30022	$\frac{11}{16}$ " Single Hex Socket
		30024	$\frac{3}{4}$ " Single Hex Socket



No. 38C Set

No. 38C Complete ... .. Price £4 10 3

### No. 16ND IGNITION SET

A complete new assortment of extra small series socket wrenches, together with five miniature open-end wrenches for delicate work in close quarters. Ideal for repairs on relays, generators, starters, switches, wireless, linotypes and similar precision instruments. Packed in a convenient metal case that fits into the pocket easily. It's at your finger-tips when needed.

#### CONTENTS OF SET

24994	Obstruction Offset	21011	$\frac{11}{32}$ " Single Hex Socket
24995	Grip Handle	21012	$\frac{1}{8}$ " Double Hex Socket
24996	5" Extension	21014	$\frac{7}{16}$ " Double Hex Socket
21006	$\frac{3}{16}$ " Single Hex Socket	H10	$\frac{3}{16}$ " x $\frac{7}{32}$ " Open End
21007	$\frac{7}{32}$ " Single Hex Socket	H12	$\frac{1}{4}$ " x $\frac{9}{32}$ " Open End
21008	$\frac{1}{4}$ " Single Hex Socket	H14	$\frac{5}{16}$ " x $\frac{11}{32}$ " Open End
21009	$\frac{9}{32}$ " Single Hex Socket	H16	$\frac{3}{8}$ " x $\frac{7}{16}$ " Open End
21010	$\frac{5}{16}$ " Single Hex Socket	H18	$\frac{13}{32}$ " x $\frac{15}{32}$ " Open End



No. 16ND Set

No. 16ND Set, Complete ... .. Price £2 4 6  
No. N-1 Case only,  $5\frac{1}{4}$ " long,  $2\frac{3}{8}$ " wide,  $1\frac{3}{16}$ " high ... .. Price 4/3

### No. 10ND MIDGET SET

A new handier ignition set for fine adjustments. Includes new combination grip and offset handle, No. 24999—serves as grip, offset or T or L handle with 24997.

#### CONTENTS OF SET

24997	Handle Bar	21009	$\frac{9}{32}$ " Single Hex Socket
24999	Grip Handle and Offset	21010	$\frac{5}{16}$ " Single Hex Socket
21006	$\frac{3}{16}$ " Single Hex Socket	21011	$\frac{11}{32}$ " Single Hex Socket
21007	$\frac{7}{32}$ " Single Hex Socket	21012	$\frac{3}{8}$ " Double Hex Socket
21008	$\frac{1}{4}$ " Single Hex Socket	21014	$\frac{7}{16}$ " Double Hex Socket

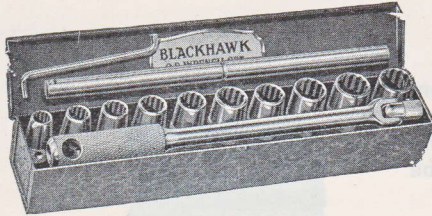


No. 10ND Set

No. 10ND Set, Complete ... .. Price £1 7 0  
No. N-2 Case only,  $5\frac{1}{4}$ " long,  $2\frac{3}{8}$ " wide, 1" high ... .. Price 4/3



## BLACKHAWK CHROME VANADIUM SOCKET WRENCH SETS



No. 13PW SET

### SET No. 13PM METRIC STANDARD

As Set No. 13PW but with the following Metric Chrome Vanadium Steel Double Hexagon Sockets substituted.

No.	Socket Opening Size	Metric Bolt Size	No.	Socket Opening Size	Metric Bolt Size
No. M8410	10 m/m	6	No. M8418	18 m/m	—
No. M8412	12 m/m	7	No. M8419	19 m/m	—
No. M8414	14 m/m	8	No. M8421	21 m/m	12
No. M8416	16 m/m	9	No. M8423	23 m/m	14
No. M8417	17 m/m	10	No. M8426	26 m/m	16

Set No. 13PM, Complete. Price £2 5 0

### SET No. 13PW

CHROMIUM PLATED  
(WHITWORTH STANDARD)

Similar to No. 17TW but with four less tools and in smaller case, No. P. Contains one each No. 49984 Hinged Offset, No. 49986 Handle Bar.

One each Double Hexagon Whitworth Standard Sockets—  
Chrome Vanadium Steel

No.	Socket Opening Size	Whit. Bolt Size	No.	Socket Opening Size	Whit. Bolt Size
No. W41N	1/4"	1/8"	No. W82N	1 1/8"	1 1/8"
No. W44N	5/16"	5/16"	No. W92N	1 1/4"	1 1/4"
No. W52N	3/8"	3/8"	No. W101N	1 1/2"	1 1/2"
No. W60N	7/16"	7/16"	No. W110N	1 3/4"	1 3/4"
No. W71N	1/2"	1/2"	No. W120N	1 3/8"	1 3/8"

Set No. 13PW, Complete. Price £3 5 3

### SET No. 13PD

(U.S. STANDARD)

Same Handles and Attachments as Set No. 13PW, but with the following Chrome Vanadium Steel Double Hexagon Sockets substituted. Sockets Nos. 40012, 40014, 40016, 40018, 40019, 40020, 40022, 40024, 40028, 40030.

Set No. 13PD, Complete. Price £2 6 9

## EXTRA HEAVY DUTY SET No. 12ED

CHROMIUM PLATED

No nut or bolt too tough for this set. An industrial service and maintenance set designed to provide greatest strength and utility.

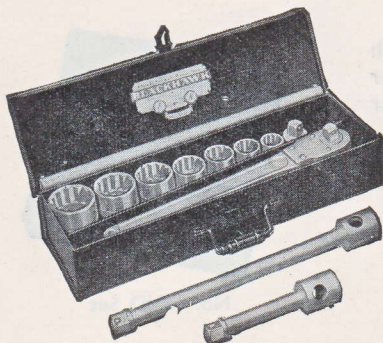
Wrenches in this set have built-in "Lock-On" feature—no release key necessary. Thumb or finger pressure quickly releases socket. This feature is a guarantee against injury from socket slipping off. Handles have 1" sq. lock-on drive—all sockets double Hexagon, equipped with thumb release.

This set is finished in cadmium.

#### CONTENTS OF SET

89999	Ratchet	80046	1 7/16"	Single Hexagon Socket
89998	Offset Adaptor Head	80052	1 1/8"	Single Hexagon Socket
89997	Handle Bar for 89998	80058	1 1/8"	Single Hexagon Socket
89996	9" Extension	80064	2"	Single Hexagon Socket
89995	18" Extension	80070	2 1/8"	Single Hexagon Socket
80040	1 1/4" Single Hexagon Socket	80076	2 3/8"	Single Hexagon Socket

Set No. 12ED, Complete. Price £13 7 3



No. 12ED SET

## HEAVY DUTY SET No. 14BD

CHROMIUM PLATED

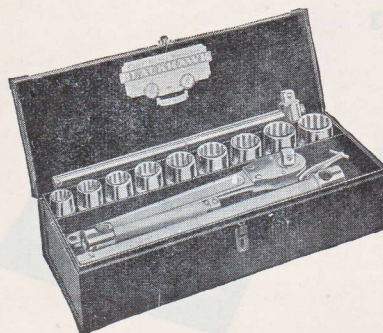
These powerful heavy duty handles and sockets are just the tools needed on repair and assembly of trucks, tractors, combines, farm and power machinery, graders, pavers and other machine units. No chance of socket slipping from handle end for all units in this set have 3/4" square lock-on drive.

All sockets double hexagon. Contained in strong steel case, No. CA.

#### CONTENTS OF SET

69999	Ratchet	60040	1 1/4"	Double Hexagon Socket
69997	Sliding Offset	60042	1 1/8"	Double Hexagon Socket
69995	8 1/2" Extension	60044	1 1/8"	Double Hexagon Socket
69994	17" Extension	60046	1 7/16"	Double Hexagon Socket
60032	1" Double Hexagon Socket	60048	1 3/8"	Double Hexagon Socket
60034	1 1/16" Double Hexagon Socket	60052	1 3/8"	Double Hexagon Socket
60036	1 1/8" Double Hexagon Socket			

Set No. 14BD, Complete. Price £7 10 6



No. 14BD SET

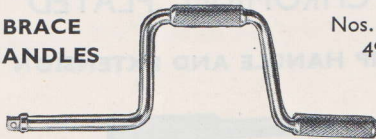
Wrenches and Sockets with numbers prefixed with W are Whitworth Standard, prefixed with M are Metric Standard, all others are U.S. Standard.



## BLACKHAWK SOCKET WRENCHES

### HANDLES—CHROME VANADIUM STEEL, CHROMIUM PLATED

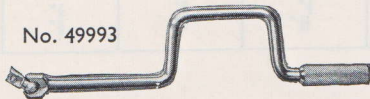
#### BRACE HANDLES



Nos. 49992,  
49999

No.	Stock Diameter	Length	Shank Length	Sweep	Square Lock-On Drive	Price
49992	$\frac{9}{16}$ "	15 $\frac{3}{8}$ "	6"	4 $\frac{3}{8}$ "	$\frac{1}{2}$ "	9/6
49999	$\frac{1}{2}$ "	19"	8 $\frac{1}{2}$ "	4 $\frac{3}{8}$ "	$\frac{1}{2}$ "	10/-

No. 49993

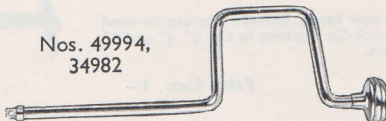


#### HINGED UNIVERSAL SPEEDER

A practical short sweep speeder that combines both a hinged shank for offset leverage and semi-universal action for speed in close quarters.

No.	Stock Diameter	Length	Shank Length	Sweep	Square Lock-On Drive	Price
49993	$\frac{5}{8}$ "	17 $\frac{1}{2}$ "	7"	2 $\frac{3}{4}$ "	$\frac{1}{2}$ "	18/-

Nos. 49994,  
34982



#### SPEEDER HANDLE

No.	Stock Diameter	Length	Shank Length	Sweep	Square Lock-On Drive	Price
49994	$\frac{1}{2}$ "	19"	11"	4 $\frac{3}{8}$ "	$\frac{1}{2}$ "	9/6
34982	$\frac{1}{2}$ "	18"	10"	3 $\frac{3}{8}$ "	$\frac{1}{2}$ "	7/3

New indestructible handle for speed and convenience.



#### SLIDING OFFSETS

No.	Stock Diameter	Length	Square Lock-On Drive	Price
49982	$\frac{9}{16}$ "	11"	$\frac{1}{2}$ "	6/9



#### OBSTRUCTION OFFSET HANDLES

No.	Stock Diameter	Length	Square Lock-On Drive	Price
49981	$\frac{5}{8}$ "	11"	$\frac{1}{2}$ "	9/6
*24994	$\frac{9}{16}$ "	5"	$\frac{1}{2}$ "	5/6

\*Equipped with frictional lock only. No Lock-On.



#### HINGED OFFSET HANDLES

No.	Stock Diameter	Length	Square Lock-On Drive	Price
*24999	$\frac{9}{16}$ "	5"	$\frac{1}{2}$ "	7/3
*34986	$\frac{1}{2}$ "	8"	$\frac{1}{2}$ "	10/3
49984	$\frac{1}{2}$ "	11 $\frac{3}{8}$ "	$\frac{1}{2}$ "	11/9
49985	$\frac{1}{2}$ "	15 $\frac{3}{8}$ "	$\frac{1}{2}$ "	13/-
49988	$\frac{1}{2}$ "	18"	$\frac{1}{2}$ "	15/6

\* All hinged offsets, except Nos. 34986 and 24999, have square opening in end of handle to permit use as extensions. Cross hole in all handles for use with straight handle bars to make T or L handles.



#### HANDLE BARS

No.	Stock Diameter	Length	Square Lock-On Drive	Price Each
No. 24997.	$\frac{1}{2}$ " diameter, 4 $\frac{1}{2}$ " long.	Used with No. 24996 to make T or L wrenches	...	1/6
No. 49986.	$\frac{1}{2}$ " diameter, 11" long.	Used with Nos. 49983, 49984, 49985, 49987, 49988, and 49990 to make T or L wrenches. Also for extra leverage on Nos. 49981, 49996, 49997	...	2/3
No. 34985.	$\frac{1}{2}$ " diameter, 7" long.	Used with Nos. 34988, 34987, 34984, 34986, 34983, 34981 and 34997 to make T or L wrenches	...	1/9



Nos. 34981—49997

#### REVERSIBLE "FREE WHEELING" RATCHETS

(Trade Mark)

#### $\frac{3}{8}$ " and $\frac{1}{2}$ " Square Lock-On Drives

An entirely new principle of Friction Ratchet Wrench design gives these new Blackhawk Free Wheeling Ratchets these outstanding features: Instant reverse without removing socket—noiseless smooth operation—no teeth—no backlash—instant grip in any position, no play—small diameter head, and narrow neck—light weight and perfect balance. Drop-forged chrome molybdenum steel. A Free Wheeling Ratchet is ideal for work in close, confined places—it requires only a minimum amount of space for immediate action or reverse. The comfortable knurled grip is hollow for better balance—and handle bars can be used for additional leverage.

No.	Diameter of Head	Length	Square Lock-On Drive	Price
34981	$1\frac{3}{16}$ "	7"	$\frac{1}{2}$ "	22/6
49997	$1\frac{3}{16}$ "	10 $\frac{1}{8}$ "	$\frac{1}{2}$ "	27/-



No. 49996

#### REVERSIBLE MECHANICAL RATCHET WRENCH

#### $\frac{1}{2}$ " Square Lock-On Drive

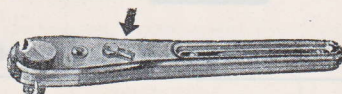
A greatly improved Mechanical Ratchet—smoother action because of double ratchet engagement. Instantly reversible without removing socket. Improved appearance and sturdy construction. Much smaller head,  $1\frac{1}{16}$ " diameter, and only  $\frac{1}{8}$ " wide neck provides greater clearance for easier action. Perfectly balanced and light in weight. Drop-forged chrome vanadium steel. Hollow knurled grip permits use of No. 49986 Handle Bar for additional leverage.

No.	Diameter of Head	Length	Square Lock-On Drive	Price
49996	$1\frac{1}{8}$ "	10 $\frac{1}{2}$ "	$\frac{1}{2}$ "	21/9



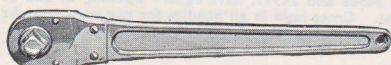
## BLACKHAWK SOCKET WRENCHES

HANDLES — CHROME VANADIUM STEEL—CHROMIUM PLATED

RATCHET  
WRENCH

For fast action in close quarters—and long leverage to jerk nuts loose or set them home. And two new features—instantly reversed by flipping lever conveniently located on top of handle; not necessary to remove socket nor shift lug.

No.	Length	Square Drive	Price
911X	10"	$\frac{1}{2}$ "	10/3

Nos. 916N—89999  
RATCHET  
WRENCHES

Instantly reversible by shifting lug to opposite side.

No.	Diameter of Head	Length	Lock-on Drive	Price
916N	2 $\frac{1}{8}$ "	16"	$\frac{3}{4}$ "	37/6
89999	2 $\frac{1}{8}$ "	20"	1"	57/9

## REPLACEMENT DRIVE LUGS FOR RATCHETS

No.	Square Lock-On Drive	For Use with No.	Price
49995	$\frac{1}{2}$ "	911X	1/9
89994	1"	89999	4/3

## EXTENSION BARS



Nos. 24996—34988  
34987—49990  
34984—34983



\*Nos. 49983—49987

\* With Revolving Grip



Nos. 89996—89995

## EXTENSION BARS

No.	Stock Diameter	Length	Square Lock-On Drive	Price
†24996	$\frac{9}{16}$ "	5"	$\frac{1}{2}$ "	3/9
34988	$\frac{9}{16}$ "	3"	$\frac{1}{2}$ "	5/-
34987	$\frac{9}{16}$ "	5"	$\frac{1}{2}$ "	5/6
34984	$\frac{9}{16}$ "	10"	$\frac{1}{2}$ "	5/9
34983	$\frac{9}{16}$ "	18"	$\frac{1}{2}$ "	7/9
*49983	$\frac{9}{16}$ "	6"	$\frac{1}{2}$ "	7/9
*49987	$\frac{9}{16}$ "	10"	$\frac{1}{2}$ "	9/-
49989	1"	2"	$\frac{1}{2}$ "	4/3
49990	1"	10"	$\frac{1}{2}$ "	7/3
89996	1 $\frac{1}{16}$ "	9"	1"	20/-
89995	1 $\frac{1}{4}$ "	18"	1"	23/6

† No. 24996 not equipped with Lock-On.

\* Nos. 49983 and 49987 with Revolving Grip.

No.  
89998



No.  
89997

## SLIDING T—EXTRA HEAVY DUTY

No. 89997.—Bar only, 1 $\frac{1}{8}$ " diameter, 23" long. Used with Nos. 89996,

89995, 89998 ... 9/9

No. 89998.—Head and adapter for 89997. 1" square lock-on drive ... 11/6

(Finished in Cadmium)

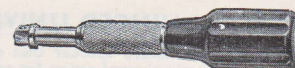
## GRIP HANDLE AND EXTENSION



Here are two tools in one. Use them as a grip handle to quickly set a nut—or as an extension for extra reach. Ideal for ignition and carburettor work. Cross drilled for handle bar to make T or L.

No.	Stock Diameter	Length	Square Lock-On Drive	Price
24998	$\frac{1}{2}$ "	5"	$\frac{1}{2}$ "	4/3
34997	$\frac{1}{2}$ "	5"	$\frac{1}{2}$ "	6/3

## MIDGET GRIP HANDLES



No. 24995.—5" long,  $\frac{1}{4}$ " square friction drive. Has hard rubber handle giving sturdy grip for speed and leverage. Adapted for use with No. 24994 as an L wrench.

Price Each 6/3

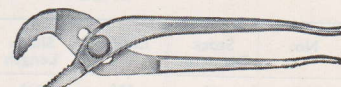
## LOCK-ON RELEASE KEY

No. 34990.—This new handy Release Key can be used for releasing all Lock-On Sockets in the  $\frac{3}{8}$ ",  $\frac{1}{2}$ " and  $\frac{3}{4}$ " square drive series.



Price Each 1/-

No. 12001

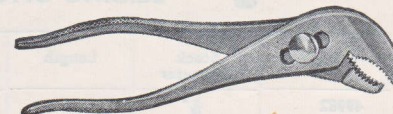
UNIVERSAL WATER  
PUMP PLIERS

Thin tough jaws that work their way into the closest quarters. Long balanced handles curved to fit the hand. Instant five-position adjustment, with a range of  $\frac{1}{8}$ " to 2". Tough chrome vanadium steel, and chromium plated. This Universal Water Pump Plier No. 12001 fits water pump packing nuts on practically all cars. Thickness of jaws,  $\frac{1}{4}$ "; length of handle, 9 $\frac{1}{2}$ ".

Price Each 8/3

No. 12002

## UNIVERSAL PLIERS



Ideal for a wide range of uses, including adjustments on water pumps, head-light mountings, brakes, battery terminals, etc. Three-position jaw adjustment. Length, 7". Thickness of jaws,  $\frac{9}{32}$ ".

Price Each 8/3

No. H1

## UNIVERSAL IGNITION PLIERS



Similar to the No. 12001 but smaller, and especially adapted for ignition service, carburetors, radios and other small jobs. Three-position slip jaws provide opening range from 0 to  $\frac{3}{8}$ ". Thickness of jaws,  $\frac{9}{32}$ "; overall length, 5".

Price Each 6/9



## BLACKHAWK QUICK DETACHABLE SOCKETS

CHROME VANADIUM STEEL, CHROMIUM PLATED

EXTRA SMALL SERIES

$\frac{1}{4}$ " SQUARE DRIVE



No. 21006 Series

Extra Small Series Thin Wall

$\frac{1}{4}$ " Square Drive

DOUBLE HEX. SOCKETS

Socket No.	Socket Size	Price	Socket No.	Socket Size	Price
*21006	$\frac{1}{16}$ "	1/9	21010	$\frac{1}{8}$ "	1/9
*21007	$\frac{1}{8}$ "	1/9	21011	$\frac{3}{16}$ "	1/9
*21008	$\frac{1}{4}$ "	1/9	21012	$\frac{1}{2}$ "	1/9
*21009	$\frac{3}{8}$ "	1/9	21014	$\frac{7}{16}$ "	1/9

\*Single Hexagon

Extra Small Series

$\frac{1}{4}$ " Square Drive

DOUBLE SQUARE SOCKETS

Socket No.	Socket Size	Price	Socket No.	Socket Size	Price
*21106	$\frac{1}{16}$ "	1/9	21112	$\frac{3}{8}$ "	2/-
*21108	$\frac{1}{8}$ "	1/9	21114	$\frac{7}{16}$ "	2/-
*21110	$\frac{1}{4}$ "	1/9	21116	$\frac{1}{2}$ "	2/-

\*Single Square

## SMALL SERIES $\frac{3}{8}$ " SQUARE DRIVE

Small Series

$\frac{3}{8}$ " Square Lock-On Drive

(Whitworth Standard)

DOUBLE HEX. SOCKETS

Socket No.	Socket Opening Size	Whit. Std. Bolt Size	Price
W41S	$\frac{3}{16}$ "	$\frac{1}{8}$ "	2/9
W44S	$\frac{1}{4}$ "	$\frac{3}{16}$ "	2/9
W52S	$\frac{5}{16}$ "	$\frac{1}{4}$ "	2/9
W60S	$\frac{3}{8}$ "	$\frac{5}{16}$ "	2/9
W71S	$\frac{7}{8}$ "	$\frac{3}{4}$ "	3/3

Small Series Thin Wall

$\frac{3}{8}$ " Square Lock-On Drive

DOUBLE HEX. SOCKETS

Socket No.	Socket Size	Price	Socket No.	Socket Size	Price
*30008	$\frac{1}{4}$ "	2/6	M7806S	6 m/m	2/9
*30010	$\frac{1}{8}$ "	2/6	M7807S	7 m/m	2/9
30012	$\frac{1}{16}$ "	2/6	M7808S	8 m/m	2/9
30014	$\frac{3}{16}$ "	2/6	M7809S	9 m/m	2/9
30016	$\frac{1}{8}$ "	2/6	M7810S	10 m/m	2/9
30018	$\frac{3}{16}$ "	2/6	M7811S	11 m/m	2/9
30020	$\frac{1}{4}$ "	2/6	M7812S	12 m/m	2/9
30022	$\frac{5}{16}$ "	3/-	M7814S	14 m/m	2/9
30024	$\frac{3}{8}$ "	3/-	M7816S	16 m/m	2/9
			M7817S	17 m/m	2/9
			M7819S	19 m/m	3/3

\* Single Hexagon

Small Series

$\frac{3}{8}$ " Square Lock-On Drive

DOUBLE SQUARE SOCKETS

Socket No.	Socket Size	Price
30108	$\frac{1}{4}$ "	3/-
30110	$\frac{1}{8}$ "	3/-
30112	$\frac{3}{16}$ "	3/-
30114	$\frac{1}{4}$ "	3/3
30116	$\frac{1}{2}$ "	3/3

## STANDARD SERIES $\frac{1}{2}$ " SQUARE DRIVE

Standard Series

$\frac{1}{2}$ " Square Lock-On Drive

DOUBLE HEX. SOCKETS

(Whitworth Standard)

Socket No.	Socket Opening Size	Whit. Standard Bolt Size	Price
W41N	$\frac{3}{16}$ "	$\frac{1}{8}$ "	3/6
W44N	$\frac{1}{4}$ "	$\frac{3}{16}$ "	3/6
W52N	$\frac{5}{16}$ "	$\frac{1}{4}$ "	3/6
W60N	$\frac{3}{8}$ "	$\frac{5}{16}$ "	3/6
W71N	$\frac{7}{8}$ "	$\frac{3}{4}$ "	3/6
W82N	$\frac{1}{2}$ "	$\frac{1}{2}$ "	4/3
W92N	$\frac{5}{8}$ "	$\frac{3}{4}$ "	5/-
W101N	1"	$\frac{3}{4}$ "	5/-
W110N	1 $\frac{1}{8}$ "	$\frac{7}{8}$ "	6/9
W120N	1 $\frac{1}{4}$ "	1"	7/3
W130N	1 $\frac{3}{8}$ "	1 $\frac{1}{4}$ "	7/3

Standard Series

$\frac{1}{2}$ " Square Lock-On Drive

DOUBLE HEX. SOCKETS

Socket No.	Socket Size	Price
40012	$\frac{3}{16}$ "	2/6
40014	$\frac{1}{4}$ "	2/6
40016	$\frac{5}{16}$ "	2/6
40018	$\frac{3}{8}$ "	2/6
40019	$\frac{7}{16}$ "	2/6
40020	$\frac{1}{2}$ "	2/6
40021	$\frac{5}{8}$ "	2/6
40022	$\frac{3}{4}$ "	2/6
40024	1"	3/-
40025	1 $\frac{1}{8}$ "	3/-
40026	1 $\frac{1}{4}$ "	3/-
40028	1 $\frac{3}{8}$ "	3/-
40030	1 $\frac{1}{2}$ "	3/9
40031	1 $\frac{3}{4}$ "	3/9
40032	1 $\frac{7}{8}$ "	3/9
40034	1 $\frac{1}{2}$ "	4/3
40036	1 $\frac{3}{4}$ "	4/6
40040	1 $\frac{1}{2}$ "	5/-

Standard Series

$\frac{1}{2}$ " Square Lock-On Drive

DOUBLE HEX. SOCKETS

(Metric Standard)

Socket No.	Socket Opening Size	Metric Bolt Size	Price
M8410	10 m/m	6	2/6
M8411	11 m/m	—	2/6
M8412	12 m/m	7	2/6
M8413	13 m/m	—	2/6
M8414	14 m/m	8	2/6
M8415	15 m/m	—	2/6
M8416	16 m/m	9	2/6
M8417	17 m/m	10	2/6
M8418	18 m/m	—	2/6
M8419	19 m/m	—	2/6
M8420	20 m/m	—	2/6
M8421	21 m/m	12	2/6
M8422	22 m/m	—	2/6
M8423	23 m/m	14	3/-
M8424	24 m/m	—	3/-
M8425	25 m/m	—	3/-
M8426	26 m/m	16	3/-
M8427	27 m/m	—	3/-

Standard Series

$\frac{1}{2}$ " Square Lock-On Drive

THIN WALL, DOUBLE HEX. SOCKETS

Socket No.	Socket Size	Price	Socket No.	Socket Size	Price
40112	$\frac{3}{16}$ "	3/-	40125	$\frac{5}{8}$ "	3/9
40114	$\frac{1}{4}$ "	3/-	40126	$\frac{3}{4}$ "	3/9
40116	$\frac{5}{16}$ "	3/-	40128	$\frac{1}{2}$ "	3/9
40118	$\frac{3}{8}$ "	3/-	40130	$\frac{5}{8}$ "	4/6
40119	$\frac{7}{16}$ "	3/-	40131	$\frac{3}{4}$ "	4/6
40120	$\frac{1}{2}$ "	3/-	40132	1"	4/6
40121	$\frac{5}{8}$ "	3/-	40134	1 $\frac{1}{8}$ "	4/6
40122	$\frac{3}{4}$ "	3/-	40136	1 $\frac{1}{4}$ "	5/6
40124	$\frac{7}{8}$ "	3/9	40140	1 $\frac{3}{4}$ "	6/6

Standard Series

$\frac{1}{2}$ " Square Lock-On Drive

DOUBLE SQUARE SOCKETS

Socket No.	Socket Size	Price
40210	$\frac{1}{16}$ "	2/9
40212	$\frac{1}{8}$ "	2/9
40214	$\frac{1}{4}$ "	2/9
40216	$\frac{3}{8}$ "	2/9
40218	$\frac{1}{2}$ "	2/9
40219	$\frac{5}{8}$ "	2/9
40220	$\frac{3}{4}$ "	2/9
40222	1"	3/-
40224	1 $\frac{1}{8}$ "	3/3
40225	1 $\frac{1}{4}$ "	3/3
40226	1 $\frac{3}{8}$ "	3/9
40228	1 $\frac{1}{2}$ "	4/3
40230	1 $\frac{3}{4}$ "	5/-
40232	1 $\frac{7}{8}$ "	5/-
40234	1 $\frac{1}{2}$ "	5/9
40236	1 $\frac{3}{4}$ "	6/3

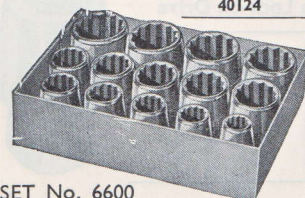
SET No. 19055

THIN WALL SOCKETS

Fourteen of the most popular Thin Wall Sockets packed in strong cardboard box. Lock-on feature,  $\frac{1}{2}$ " square drive. Sizes from  $\frac{1}{16}$ " to 1". One each Nos. 40114, 40116, 40118, 40119, 40120, 40121, 40122, 40124, 40125, 40126, 40128, 40130, 40131 and 40132.

Price £2 9 6

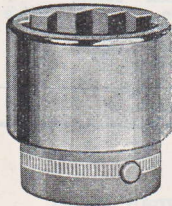
SET No. 6600





## BLACKHAWK SOCKETS

CHROME VANADIUM STEEL—CHROMIUM PLATED

HEAVY DUTY SERIES— $\frac{3}{4}$ " SQUARE LOCK-ON DRIVE  
DOUBLE HEX. SOCKETSNew Heavy Duty  
Style Socket

Socket No.	Socket Size	Price
60028	$\frac{7}{8}$ "	4/6
60030	$\frac{15}{16}$ "	4/6
60031	$\frac{1}{2}$ "	4/6
60032	$\frac{1}{4}$ "	4/6
60034	$\frac{1}{16}$ "	5/6
60036	$\frac{1}{8}$ "	5/6
60038	$\frac{1}{16}$ "	5/6
60040	$\frac{1}{4}$ "	6/3
60042	$\frac{1}{8}$ "	6/3
60044	$\frac{1}{16}$ "	6/3
60046	$\frac{1}{8}$ "	6/9
60048	$\frac{1}{16}$ "	6/9
60050	$\frac{1}{8}$ "	8/-
60052	$\frac{1}{16}$ "	8/-
60054	$\frac{1}{8}$ "	9/6
60056	$\frac{1}{16}$ "	9/6
60058	$\frac{1}{8}$ "	10/9
60060	$\frac{1}{16}$ "	10/9
60064	2"	13/6

## DOUBLE SQUARE SOCKETS

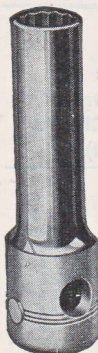
Socket No.	Socket Size	Price	Socket No.	Socket Size	Price
60128	$\frac{1}{2}$ "	8/-	60140	$\frac{1}{4}$ "	10/3
60132	$\frac{1}{8}$ "	8/-	60146	$\frac{1}{16}$ "	14/6
60134	$\frac{1}{16}$ "	8/3	60152	$\frac{1}{8}$ "	18/-
60136	$\frac{1}{32}$ "	8/3			

EXTRA DEEP THIN WALL DOUBLE HEXAGON  
SOCKETS

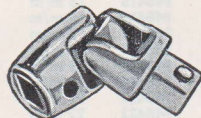
Here is a complete series of extra deep, thin wall double hex. sockets. Designed for removing spark plugs—shackle bolts and spring clip nuts.  $\frac{1}{2}$ " square "Lock-On" drive—broaching adapts them to handles in the standard series. Cross hole permits use of bar for leverage.  $\frac{3}{4}$ " over all length.

No.	Socket Size	Max. Diam.	Price	No.	Socket Size	Max. Diam.	Price
40316	$\frac{1}{2}$ "	$\frac{45}{64}$ "	5/3	†40326	$\frac{13}{16}$ "	$\frac{1}{16}$ "	5/9
*40318	$\frac{9}{16}$ "	$\frac{51}{64}$ "	5/3	40328	$\frac{7}{8}$ "	$\frac{1}{16}$ "	5/9
40320	$\frac{5}{8}$ "	$\frac{57}{64}$ "	5/9	40330	$\frac{15}{16}$ "	$\frac{1}{16}$ "	6/3
**40322	$\frac{31}{32}$ "	$\frac{1}{16}$ "	5/9	††40332	1"	$\frac{1}{16}$ "	6/3
40324	$\frac{1}{4}$ "	$\frac{1}{16}$ "	5/9	40336	$\frac{13}{16}$ "	$\frac{1}{16}$ "	7/-

\* For 10MM Plugs. † For 14MM Metric Plugs.  
\*\* For B & G Champ Mica Plugs. †† For 18MM Metric Plugs.



Series No. 40316

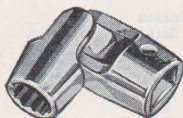


Nos. 24993, 49978, 34993

## UNIVERSAL JOINTS

A greatly improved series of universal joints; stock diameter reduced offering more clearance; accessibility increased by shorter overall length; and full 90° angle to reach awkward jobs.

Socket No.	Series	Square Drive	Price
24993	Extra Small	$\frac{1}{4}$ " Friction Ball	7/3
34993	Small	Lock-On	8/9
49978	Standard	Lock-On	9/6

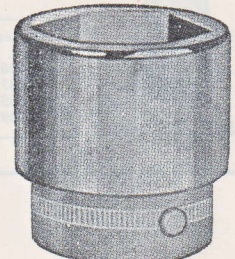
UNIVERSAL  
JOINT SOCKETS

Nos. 30212 Series

Socket No.	Socket Size	Square Lock-On Drive	Price
30212	$\frac{3}{8}$ "	$\frac{3}{8}$ "	9/6
30214	$\frac{1}{2}$ "	$\frac{1}{2}$ "	9/6
30216	$\frac{5}{8}$ "	$\frac{5}{8}$ "	9/6
30218	$\frac{3}{4}$ "	$\frac{3}{4}$ "	9/6
30220	$\frac{7}{8}$ "	$\frac{7}{8}$ "	9/6
30222	1"	1"	10/-
30224	$\frac{1 1}{8}$ "	$\frac{1 1}{8}$ "	10/-

EXTRA HEAVY DUTY SERIES—1" SQ. LOCK-ON DRIVE  
SINGLE HEX. SOCKETS

Socket No.	Socket Size	Price
80034	$\frac{1}{16}$ "	6/9
80036	$\frac{1}{8}$ "	6/9
80040	$\frac{1}{4}$ "	7/3
80042	$\frac{1}{2}$ "	7/3
80044	$\frac{3}{4}$ "	7/3
80046	$\frac{15}{16}$ "	8/3
80048	1"	9/6
80050	$\frac{1}{16}$ "	9/6
80052	$\frac{1}{8}$ "	10/6
80054	$\frac{1}{4}$ "	11/9
80056	$\frac{1}{2}$ "	12/9
80058	$\frac{3}{4}$ "	13/6
80060	$\frac{15}{16}$ "	15/3
80062	1"	16/3
80064	2"	17/3
80066	$\frac{2 1}{8}$ "	20/-
80068	$\frac{2 1}{4}$ "	21/9
80070	$\frac{2 3}{8}$ "	22/6
80072	$\frac{2 1}{2}$ "	23/6
80074	$\frac{2 5}{8}$ "	25/3
80076	$\frac{2 3}{4}$ "	28/-
80078	$\frac{2 7}{8}$ "	30/9
80080	$\frac{3}{1}$ "	33/6
80082	$\frac{3 1}{8}$ "	36/3
80084	$\frac{2 1}{2}$ "	38/9
80086	$\frac{2 3}{4}$ "	41/6
80088	$\frac{2 5}{8}$ "	44/3
80090	$\frac{2 3}{4}$ "	47/-
80092	$\frac{2 7}{8}$ "	49/9
80094	$\frac{2 1}{2}$ "	52/6
80096	3"	55/3
80098	$\frac{3 1}{8}$ "	57/9
80100	$\frac{3 1}{4}$ "	60/6

New Extra Heavy Duty  
Style Socket

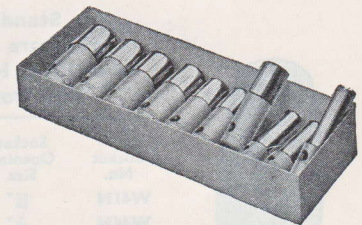
## SINGLE SQUARE SOCKETS

Socket No.	Socket Size	Price
81034	$\frac{1}{16}$ "	8/3
81036	$\frac{1}{8}$ "	8/3
81038	$\frac{1}{4}$ "	10/-
81040	$\frac{1}{2}$ "	12/-
81044	$\frac{3}{4}$ "	16/-
81046	$\frac{15}{16}$ "	20/9
81050	1"	22/3
81052	$\frac{1 1}{8}$ "	25/-
81058	$\frac{1 1}{4}$ "	25/3
81064	2"	30/-

No. 19051 SET  
EXTRA DEEP  
SOCKETS

A complete set of deep, thin wall double hex. sockets. Sockets range from  $\frac{1}{2}$ " to 1 $\frac{1}{2}$ ". Every car truck or tractor can be serviced with this set. Packed in strong cardboard box. Contents: One each Nos. 40316, 40318, 40320, 40322, 40324, 40326, 40328, 40330, 40332 and 40336.

Price Each £2 18 9

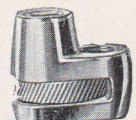


No. 19051

STUD SETTER AND EXTRACTOR  
No. 49980

Used with any standard  $\frac{1}{2}$ " square drive handle. Set or remove studs from  $\frac{1}{4}$ " to  $\frac{3}{4}$ ". Has 2 drilled holes for changes as serrations wear. Gears are milled and not knurled providing longer life.

Price Each 13/-

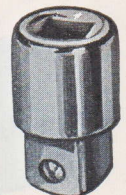
TIE ROD AND SCREW-  
DRIVER ATTACHMENTS

Nos. 34991, 49979

Socket No.	Edge of Blade	Overall Length	Square Lock-On Drive	Price
34991	$\frac{11}{16}$ " x $\frac{1}{16}$ "	1"	$\frac{3}{8}$ "	3/-
49979	$\frac{15}{16}$ " x $\frac{1}{8}$ "	$\frac{1 1}{2}$ "	$\frac{1}{2}$ "	3/6

## ADAPTORS, Equipped with Lock-on Drive

Adaptor No.	Female Opening	Used on Handles to	Male End	Price
89993	$\frac{3}{8}$ "	Increase to	1"	8/9
79999	$\frac{1}{2}$ "	Decrease to	$\frac{7}{8}$ "	9/-
89993	$\frac{7}{8}$ "	Increase to	1"	8/9
69990	1"	Decrease to	$\frac{3}{4}$ "	10/6





## BLACKHAWK SOCKET WRENCHES

### SPECIAL WRENCHES FOR FORDS

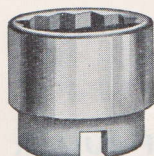
### SPECIAL WRENCHES FOR CHEVROLETS



No. 40199

#### CONNECTING ROD SOCKETS

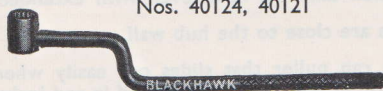
No.	Opening	Used on	Square Drive	Price
40199	$\frac{9}{16}$ "	All V8's except 60	$\frac{1}{2}$ "	3/-
40114	$\frac{15}{16}$ "	Model 60	$\frac{3}{4}$ "	3/-



No. 8563XN

#### SPECIAL FAN PULLEY SOCKET

No. 8563XN—Fits A, B, and 18 and 85. Fan pulley and starting jaw nut can be removed without dismantling radiator.  $\frac{3}{8}$ " square drive plus slotted drive for use with crank handle.  $1\frac{1}{8}$ " double hexagon opening. Chromium plated ... 5/-

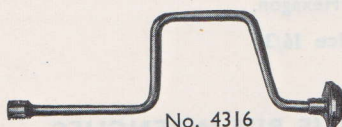


Nos. 40124, 40121

#### MAIN BEARING WRENCHES

*40124	$\frac{1}{2}$ " Hex-Model 85	$\frac{1}{2}$ "	3/9
*40121	$\frac{3}{4}$ " Hex-Model 60	$\frac{1}{2}$ "	3/-

\* Thin wall sockets used with offset handle



No. 4316

#### OIL PAN WRENCH—SPEEDER TYPE

4316	$\frac{1}{2}$ "	All Models except 60 and 85	4/-
30216	$\frac{3}{4}$ "	Models 60 and 85	2/6
*34982			7/3

\* Speeder handle for use with 8516S (30216) universal joint socket.



No. 4016

#### BRAKE ADJUSTING WRENCH

No. 4016—New style box type design. Double Square openings,  $\frac{7}{16}$ " and  $\frac{1}{2}$ ". Used on all model Ford cars and trucks. Chromium finish ... 6/9

#### VALVE GRINDER ATTACHMENT

4002A	All models except 60	1/6
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#### MAIN BEARING BOLT HOLDER

U-shaped handle with two special thin-walled  $\frac{3}{16}$ " double square sockets for holding main bearing bolts while nuts are adjusted.

40299	Socket Only	$\frac{3}{16}$ "	3/6
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#### SPARK PLUG SOCKETS

3731	$\frac{15}{16}$ " & $1\frac{1}{8}$ " Hex.	All Models	2/9
40336	$1\frac{1}{8}$ " Dble. Hex.	All Models	7/-
40332	1" Dbl. Hex.	All Models	6/3



#### DRAIN AND FILLER PLUG WRENCH

For motor drain plugs, transmission drains and filler plugs and differential drain and filler plugs. Openings— $\frac{1}{8}$ " hex— $\frac{1}{8}$ " double square—and  $\frac{1}{8}$ " male square plug. Length, 10".

4213	All Models	5/9
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#### TRUCK REAR AXLE NUT SOCKETS

No. 60058—For rear axle nuts on Model AA and AAB trucks.  $1\frac{1}{8}$ " double hexagon,  $\frac{3}{4}$ " square lock-on drive ... 10/9  
No. 60056—For dual wheels.  $1\frac{3}{4}$ " double hexagon, square lock-on drive... 9/6

#### OIL PAN SOCKET

No. 34992—Screwdriver socket to fit all Chevrolet oil pans.  $\frac{1}{2}$ " square lock-on drive. Chromium finish ... 4/6

#### SPARK PLUG WRENCHES

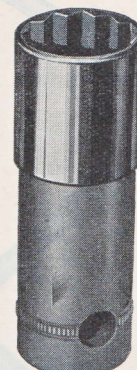
A complete series at all prices to fit spark plugs on all models

For 1932 Models

No. 40332—1" opening.  $\frac{1}{2}$ " square drive. Chromium plated ... 6/3

For 1933, 1934, 1935, 1936 and 1937 Models

No. 40326— $\frac{1}{2}$ " opening.  $\frac{1}{2}$ " square lock-on drive. Chromium plated ... 5/9



Nos. 40326, 40332

#### REAR AXLE NUT SOCKETS

Make easy work of removing and setting the rear axle nut—a tough job without a socket of this kind.

All the following sockets have the  $\frac{3}{4}$ " square lock-on drive, except 40020 which has  $\frac{1}{2}$ " square lock-on drive.

For 1932 Model Cars

No. 60038— $1\frac{1}{8}$ " opening ... 5/6

For 1931 Model Cars

No. 60034— $1\frac{1}{8}$ " opening ... 5/6

For 1928-29 Trucks

No. 60046— $1\frac{7}{8}$ " opening ... 6/9

For 1930 Trucks

No. 60048— $1\frac{1}{2}$ " opening ... 6/9

For 1931-32-33 Trucks

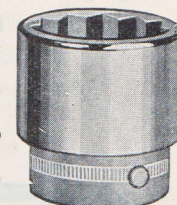
No. 60058— $1\frac{1}{8}$ " opening ... 10/9

For 1934, 1935 and 1936 Trucks

No. 60064—2" opening ... 13/6

For Late 1936 and 1937 Trucks

No. 40020— $\frac{1}{2}$ " opening ... 2/6

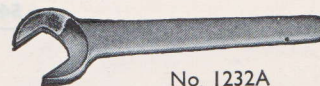


Axle Nut Sockets

#### WATER PUMP WRENCH

For all Six-cylinder Models except 1937

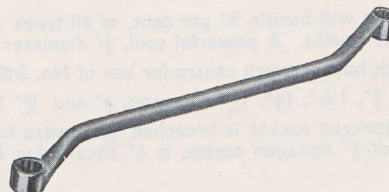
No. 1232A ... 4/9



No. 1232A

#### MAIN BEARING WRENCHES

For 1933 to 1937 Model Cars

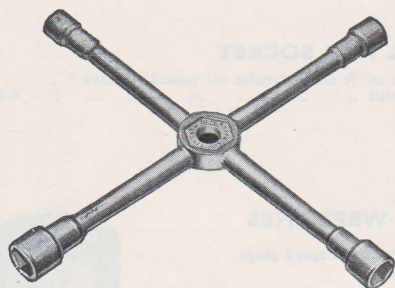


Every mechanic needs this special wrench to sneak in on the main bearing bolts. Sockets are long with thin walls to reach deeply recessed bearing caps.

No. 40122—Opening  $\frac{11}{16}$ ". Double hexagon socket,  $\frac{1}{2}$ " lock-on drive ... 3/0

No. 40124—Opening  $\frac{3}{4}$ ". Double hexagon socket,  $\frac{3}{8}$ " square lock-on drive ... 3/0



BLACKHAWK TYRE SERVICE TOOLS *CADMIUM PLATED*

No. 5204X

## UNIVERSAL CROSS-TYPE WRENCHES

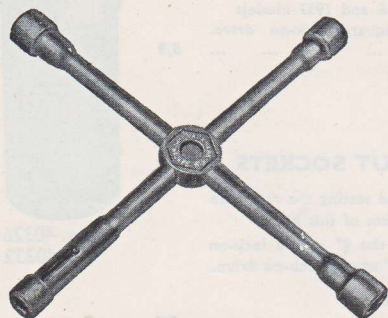
The master of all rim nut jobs. Equipped with extra deep sockets to get both nuts on tyre carriers. Will handle any rim nut job whether wood, disc, or wire wheels. Special overall length of  $14\frac{1}{2}$ " gives all the clearance needed. Diameter of handle,  $\frac{5}{8}$ ". Depth of sockets,  $1\frac{5}{8}$ ".

No. 5204XW—Standard Rim Wrench. Whitworth Bolt Sizes Sockets  $\frac{5}{16}$ ",  $\frac{3}{8}$ ",  $\frac{7}{16}$ ", and one  $\frac{3}{4}$ " across flats.

Price 16/0

No. 5204X—Socket Sizes  $\frac{5}{8}$ ",  $\frac{3}{4}$ ",  $1\frac{1}{8}$ ",  $\frac{7}{8}$ " Hexagon.

Price 14/6



No. 5204Z

## NEW CROSS-TYPE RIM WRENCH WITH HUB CAP PULLER

Here is a new universal cross type rim wrench that makes easy work of removing nuts on all tyre changes. Extra deep socket construction takes all nuts, even with extended bolts.

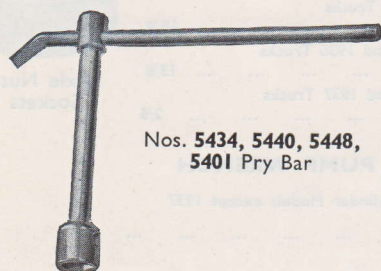
Bell-shaped sockets sneak in where rim nuts are close to the hub wall.

One socket has built-in spring-backed hub cap puller that slides out easily when released by pressing button (see illustration). When not in use, plunger is pushed in and locked, permitting use of the socket.

Wrench is  $14\frac{1}{2}$ " overall—plenty of length for leverage. Diameter of handle,  $\frac{5}{8}$ ". Depth of sockets,  $1\frac{5}{8}$ ".

No. 5204Z—Socket sizes,  $\frac{5}{8}$ ",  $\frac{3}{4}$ ",  $1\frac{1}{8}$ ", and  $\frac{7}{8}$ " Hexagon.

Price 16/3

Nos. 5434, 5440, 5448,  
5401 Pry Bar

## TRUCK AND BUS RIM WRENCHES

No. 5448—For Ford AA Trucks, Budd-Michelin Wheels, Budd Duals, Dayton Spokesteel Wheels, changeovers, and deep dual discs.

No. 5440—For 1931 and 1932 Chevrolet Trucks—has square openings for rear wheel rim studs, and two hexagon openings for front and rear wheel rim nuts.

No. 5434—For all other truck and bus rim nuts and trailers with pneumatics.

No. 5401—Used as pry bar and to provide leverage to break loose those frozen nuts.

No.	Socket Sizes	Stock Diam.	Length	Price
*5448	$\frac{13}{16}$ " Sq., $1\frac{1}{8}$ " and $1\frac{1}{2}$ " Hex.	$\frac{7}{8}$ "	$14\frac{1}{2}$ "	10/9
*5440	$\frac{5}{8}$ " Sq., $\frac{7}{8}$ " and $1\frac{1}{4}$ " Hex.	$\frac{7}{8}$ "	$14\frac{1}{2}$ "	9/6
*5434	$1\frac{1}{16}$ " and $1\frac{3}{16}$ " Hex.	$\frac{7}{8}$ "	$14\frac{1}{2}$ "	9/6
5401	Pry Bar only	$\frac{5}{8}$ "	20"	5/0

\*Does not include No. 5401 Pry Bar

## UNIVERSAL TRUCK RIM WRENCH

(Cross Type with 6 Socket Sizes)

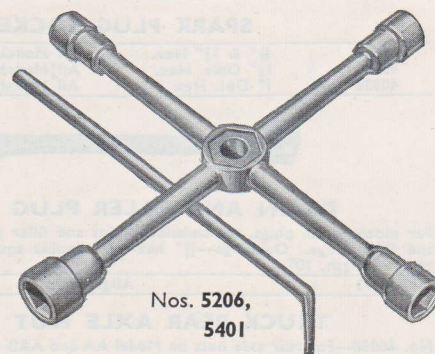
A rim tool that will handle 90 per cent. of all truck rim nuts, including latest model Ford and Chevrolet Trucks. A powerful tool,  $\frac{3}{4}$ " diameter shanks with an overall length of 23". Equipped with hole through centre for use of No. 5401 pry bar to provide added leverage. Socket sizes,  $\frac{7}{8}$ ",  $1\frac{1}{16}$ ",  $1\frac{1}{4}$ ",  $1\frac{1}{2}$ " Hexagon,  $\frac{5}{8}$ " and  $\frac{13}{16}$ " Square.

Back of  $1\frac{1}{4}$ " hexagon socket is broached  $\frac{13}{16}$ " square for Model AA Ford and Budd Michelin rims. Back of  $\frac{7}{8}$ " hexagon socket is  $\frac{5}{8}$ " square for 1931-32 Chevrolet Truck rims.

Price

No. 5206. Without No. 5401 Pry Bar ... .. 32/6

No. 5401. Pry Bar ... .. 5/-

Nos. 5206,  
5401



## BLACKHAWK TYRE SERVICE TOOLS CADMIUM PLATED



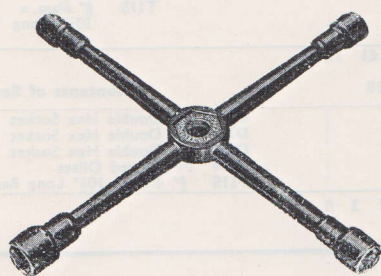
No. 5220 Series

### CAR OWNER RIM WRENCHES

No.	Socket Size	Stock Diameter	Shank Length	Sweep	List Price
5220	$\frac{5}{8}$ "	1"	$5\frac{3}{4}$ "	$4\frac{7}{8}$ "	2/6
5222	$\frac{11}{16}$ "	$\frac{1}{2}$ "	$5\frac{3}{4}$ "	$4\frac{7}{8}$ "	2/6
5224	$\frac{3}{4}$ "	$\frac{1}{2}$ "	$5\frac{3}{4}$ "	$4\frac{7}{8}$ "	2/6
5226	$\frac{13}{16}$ "	$\frac{1}{2}$ "	$5\frac{3}{4}$ "	$4\frac{7}{8}$ "	2/6
5228	$\frac{7}{8}$ "	$\frac{1}{2}$ "	$5\frac{3}{4}$ "	$4\frac{7}{8}$ "	2/6

## POPULAR PRICED SERVICE TOOLS

### RED CROSS RIM WRENCHES (Red Finish)



Nos. 15119W 15119

This four-in-one type comes in two series—for general cars, and for truck use. Show these tools and they sell themselves.

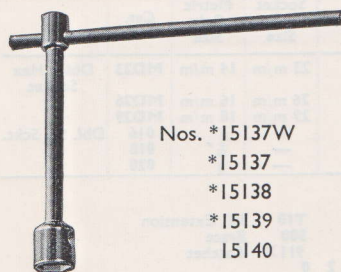
No. 15119W—For general car use. Overall length,  $13\frac{1}{2}$ ". For Whitworth Bolt Sizes Sockets  $\frac{5}{16}$ ",  $\frac{3}{8}$ ",  $\frac{7}{16}$ ", and one  $\frac{3}{4}$ " across flats ... **7/0**

No. 15119—For general car use. Overall length,  $13\frac{1}{2}$ ". Socket openings,  $\frac{5}{8}$ ",  $\frac{13}{16}$ ",  $\frac{3}{4}$ ", and  $\frac{7}{8}$ " hexagon ... **6/3**

No. 15140—Pry Bar, 18" long,  $\frac{3}{4}$ " stock diameter bar for above ... **2/6**

### TRUCK AND BUS WRENCHES

You cannot beat these sturdy rim wrenches on any job requiring a tough pull and plenty of strength. A handle bar provides extra leverage to break loose frozen nuts. Ideal for every commercial vehicle—truck, trailer or bus.



Nos. \*15137W  
\*15137  
\*15138  
\*15139  
15140

\*Does not Include 15140 Handle Bar

No. 15137W—For general truck and bus use. For Whitworth Bolt Sizes Sockets  $\frac{1}{2}$ " and  $\frac{9}{16}$ " ... **9/-**

No. 15137—For general truck and bus rim nuts and trailers with pneumatics. Length,  $14\frac{1}{2}$ ". Socket openings,  $1\frac{3}{16}$ " and  $1\frac{1}{8}$ " hexagon ... **8/6**

No. 15138—For Chevrolet Trucks. Has square openings for rear wheel rim studs and two hexagon openings for front and rear wheel rim nuts. Length,  $14\frac{1}{2}$ ". Socket openings,  $\frac{5}{8}$ " square,  $\frac{7}{8}$ " and  $1\frac{1}{4}$ " hexagon ... **8/6**

No. 15139—For Ford AA Trucks. Budd-Michelin wheels, Budd duals, Dayton spoke-steel wheels, changeovers, and deep dual discs. Length,  $14\frac{1}{2}$ ". Socket openings,  $\frac{13}{16}$ " square,  $1\frac{1}{8}$ " and  $1\frac{1}{2}$ " hexagon... **9/9**

No. 15140—Pry Bar only. 18" long,  $\frac{3}{4}$ " stock diameter ... **2/6**

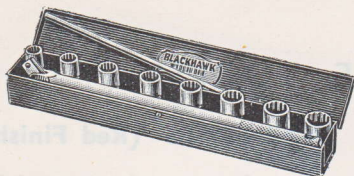


## BLACKHAWK "OK" FINISH WRENCHES IN SETS

Quality steel and workmanship throughout. OK's are made by Blackhawk and carry the same reputation and guarantee.

And Finish!—it's new glittering Silver-Satin. Polished and buffed, these OK wrenches shine like stars in their sky-blue cases.

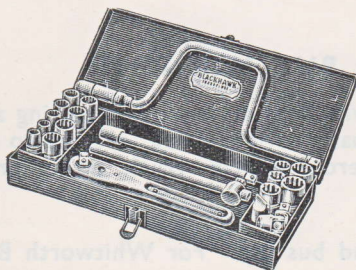
## SET No. OK10



An ideal service kit for the car owner or beginning mechanic. There is a big market for this handy kit and plenty of uses for its popular tools.

Packed in handy steel case 2 $\frac{1}{8}$ " wide, 1 $\frac{7}{8}$ " deep, 15 $\frac{1}{8}$ " long.

## SET No. OK20



The next step for mechanics who are building towards complete tool equipment. It includes all necessary sockets and a careful selection of speed handles for average work. Hauliers—here's a set for your vehicles.

Packed in sturdy steel case 6 $\frac{3}{4}$ " wide, 1 $\frac{7}{8}$ " deep, 16" long.

MECHANICS!—here are good tools at a good price.

DEALERS!—real business for you selling OK's to car owners and farmers.

HAULIERS!—equip each lorry with an OK service kit—save road delays.

## WHITWORTH STANDARD Set No. OK10W

## Contents of Set

Whit. Bolt Size	Sckt. Opng. Size	Cat. No.		Whit. Bolt Size	Sckt. Opng. Size	Cat. No.	
$\frac{1}{4}$ "	$\frac{9}{16}$ "	WD52	Double Hex Socket	$\frac{5}{8}$ "	$1\frac{1}{8}$ "	WD110	Double Hex Socket
$\frac{5}{16}$ "	$\frac{5}{8}$ "	WD60	"	$\frac{11}{16}$ "	$1\frac{1}{4}$ "	WD120	"
$\frac{3}{8}$ "	$\frac{3}{4}$ "	WD71	"	$\frac{13}{16}$ "	$1\frac{3}{8}$ "	WD130	"
$\frac{7}{16}$ "	$\frac{7}{8}$ "	WD82	"	14"		T114	Hinged Offset
$\frac{1}{2}$ "	1"	WD92	"			T115	$\frac{3}{8}$ " diam. x 10 $\frac{1}{2}$ " Long Bar
$\frac{9}{16}$ "		WD101	"				

OK10W Set, Complete. Price £1 15 0

## METRIC STANDARD Set No. OK10M

## Contents of Set

Metric Bolt Size	Socket Opening Size	Cat. No.		Metric Bolt Size	Socket Opening Size	Cat. No.	
6 m/m	10 m/m	MD10	Dble. Hex Socket	14 m/m	23 m/m	MD23	Dble. Hex Socket
7 m/m	12 m/m	MD12	"	16 m/m	26 m/m	MD26	"
8 m/m	14 m/m	MD14	"	18 m/m	29 m/m	MD29	"
9 m/m	16 m/m	MD16	"	14"		T114	Hinged Offset
10 m/m	17 m/m	MD17	"			T115	$\frac{3}{8}$ " diam. x 10 $\frac{1}{2}$ " Long Bar
12 m/m	21 m/m	MD21	"				

OK10M Set, Complete. Price £1 12 0

## U.S. STANDARD Set No. OK10

## Contents of Set

D16	$\frac{1}{2}$ "	Double Hex Socket	D24	$\frac{3}{4}$ "	Double Hex Socket
D18	$\frac{5}{8}$ "	Double Hex Socket	D26	$\frac{7}{8}$ "	Double Hex Socket
D20	$\frac{3}{4}$ "	Double Hex Socket	D28	$\frac{15}{16}$ "	Double Hex Socket
D21	$\frac{7}{8}$ "	Double Hex Socket	T114	14"	Hinged Offset
D22	1"	Double Hex Socket	T115	$\frac{3}{8}$ " diam. x 10 $\frac{1}{2}$ "	Long Bar

OK10 Set, Complete. Price £1 2 0

## WHITWORTH STANDARD Set No. OK20W

## Contents of Set

Sckt. Opng. Size	Whit. Bolt Size	Cat. No.		Sckt. Opng. Size	Whit. Bolt Size	Cat. No.	
$\frac{9}{16}$ "	$\frac{1}{4}$ "	WD52	Double Hex Socket	$1\frac{1}{8}$ "	$\frac{5}{8}$ "	WD110	Double Hex Socket
$\frac{5}{8}$ "	$\frac{5}{16}$ "	WD60	"	$1\frac{1}{4}$ "	$\frac{11}{16}$ "	WD120	"
$\frac{3}{4}$ "	$\frac{3}{8}$ "	WD71	"	$1\frac{3}{8}$ "	$\frac{13}{16}$ "	WD130	"
$\frac{7}{8}$ "	$\frac{1}{2}$ "	WD82	"	—	$\frac{3}{4}$ "	016	Dbl. Sq. Socket
$1\frac{1}{8}$ "	$\frac{7}{8}$ "	WD92	"	—	$\frac{15}{16}$ "	018	"
$1\frac{1}{4}$ "	1"	WD101	"	—	$\frac{1}{2}$ "	020	"

## TOOLS

T1	Tie Rod Attachment	T10	10" Extension
T2	Universal Joint	500	Brace
T4	Sliding Tee	911X	Ratchet

OK20W Set, Complete. Price £3 5 0

## METRIC STANDARD Set No. OK20M

## Contents of Set

Socket Opening Size	Metric Bolt Size	Cat. No.		Socket Opening Size	Metric Bolt Size	Cat. No.	
10 m/m	6 m/m	MD10	Dble. Hex Socket	23 m/m	14 m/m	MD23	Dble. Hex Socket
12 m/m	7 m/m	MD12	"	26 m/m	16 m/m	MD26	"
14 m/m	8 m/m	MD14	"	29 m/m	18 m/m	MD29	"
16 m/m	9 m/m	MD16	"	—	$\frac{1}{2}$ "	016	Dbl. Sq. Sckt.
17 m/m	10 m/m	MD17	"	—	$\frac{5}{8}$ "	018	"
21 m/m	12 m/m	MD21	"	—	$\frac{3}{4}$ "	020	"

## TOOLS

T1	Tie Rod Attachment	T10	10" Extension
T2	Universal Joint	500	Brace
T4	Sliding Tee	911X	Ratchet

OK20M Set, Complete. Price £3 2 0

## U.S. STANDARD Set No. OK20

## Contents of Set

D14	$\frac{7}{16}$ "	Double Hex Socket	D32	1"	Double Hex Socket
D16	$\frac{1}{2}$ "	Double Hex Socket	016	$\frac{1}{2}$ "	Double Square Socket
D18	$\frac{9}{16}$ "	Double Hex Socket	018	$\frac{5}{8}$ "	Double Square Socket
D20	$\frac{5}{8}$ "	Double Hex Socket	020	$\frac{3}{4}$ "	Double Square Socket
D21	$\frac{3}{4}$ "	Double Hex Socket	T1		Tie Rod Attachment
D22	$\frac{7}{8}$ "	Double Hex Socket	T2		Universal Joint
D24	$\frac{15}{16}$ "	Double Hex Socket	T4		Sliding Tee
D26	1"	Double Hex Socket	T10		10" Extension
D28	$1\frac{1}{8}$ "	Double Hex Socket	500		Brace
D30	$1\frac{1}{4}$ "	Double Hex Socket	911X		Ratchet

OK20 Set, Complete. Price £2 11 9



## BLACKHAWK "OK" FINISH WRENCHES IN SETS SET No. OK30

This is a fine assortment of 30 tools with a full range of sockets, both double Hex and Double Square, with speeders, handles, ratchets, offset, extensions to handle practically all repair work on cars, big or small. Packed in sturdy steel case 8 $\frac{3}{4}$ " wide, 2 $\frac{5}{8}$ " deep, 20" long.

### WHITWORTH STANDARD

Set No. OK30W			Contents of Set		
Sckt. Opng. Size	Whit. Bolt Size	Cat. No.	Sckt. Opng. Size	Whit. Bolt Size	Cat. No.
$\frac{1}{8}$ "	$\frac{1}{8}$ "	WD52	Double Hex Socket	$1\frac{1}{8}$ "	WD120
$\frac{9}{16}$ "	$\frac{9}{16}$ "	WD60	"	$1\frac{3}{8}$ "	WD130
$\frac{5}{8}$ "	$\frac{5}{8}$ "	WD71	"	$1\frac{1}{2}$ "	014
$\frac{11}{16}$ "	$\frac{11}{16}$ "	WD82	"	$1\frac{5}{8}$ "	016
$\frac{13}{16}$ "	$\frac{13}{16}$ "	WD92	"	$1\frac{7}{8}$ "	018
1"	1"	WD101	"	$2\frac{1}{8}$ "	020
$1\frac{1}{8}$ "	$1\frac{1}{8}$ "	WD110	"	$2\frac{1}{2}$ "	024

### TOOLS

T1	Tie Rod Attachment	T115	$\frac{3}{8}$ " x 10 $\frac{1}{2}$ " Handle Bar
T2	Universal Joint	508	Speeder
T10	10" Hinged Extension	911X	Ratchet
T114	14" Hinged Offset		

OK30W Set, Complete. Price £3 14 9

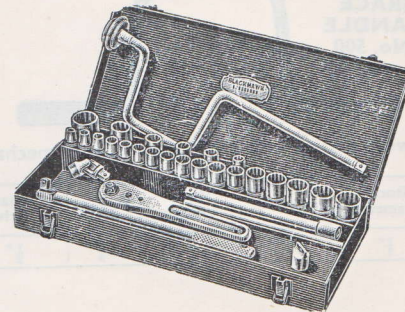
### METRIC STANDARD

Set No. OK30M			Contents of Set		
Socket Opening Size	Metric Bolt Size	Cat. No.	Socket Opening Size	Metric Bolt Size	Cat. No.
10 m/m	6 m/m	MD10	Dbl. Hex Sockets	29 m/m	MD29
12 m/m	7 m/m	MD12	"		014
14 m/m	8 m/m	MD14	"		016
16 m/m	9 m/m	MD16	"		018
17 m/m	10 m/m	MD17	"		020
21 m/m	12 m/m	MD21	"		024
23 m/m	14 m/m	MD23	"		
26 m/m	16 m/m	MD26	"		

### TOOLS

T1	Tie Rod Attachment	T115	$\frac{3}{8}$ " x 10 $\frac{1}{2}$ " Handle Bar
T2	Universal Joint	508	Speeder
T10	10" Hinged Extension	911X	Ratchet
T114	14" Hinged Offset		

OK30M Set, Complete. Price £3 12 0



### U.S. STANDARD

Set No. OK30		Contents of Set	
D12	$\frac{3}{8}$ " Double Hex Socket	D34	1 $\frac{1}{16}$ " Double Hex Socket
D14	$\frac{1}{2}$ " Double Hex Socket	D36	1 $\frac{1}{8}$ " Double Hex Socket
D16	$\frac{5}{8}$ " Double Hex Socket	D40	1 $\frac{1}{4}$ " Double Hex Socket
D18	$\frac{7}{8}$ " Double Hex Socket	014	$\frac{7}{16}$ " Double Square Socket
D19	$\frac{1}{2}$ " Double Hex Socket	016	$\frac{1}{2}$ " Double Square Socket
D20	$\frac{9}{16}$ " Double Hex Socket	018	$\frac{5}{8}$ " Double Square Socket
D21	$\frac{5}{8}$ " Double Hex Socket	020	$\frac{3}{4}$ " Double Square Socket
D22	$\frac{11}{16}$ " Double Hex Socket	024	$\frac{7}{8}$ " Double Square Socket
D24	$\frac{3}{4}$ " Double Hex Socket	T1	Tie Rod Attachment
D25	$\frac{13}{16}$ " Double Hex Socket	T2	Universal Joint
D26	$\frac{15}{16}$ " Double Hex Socket	T10	10" Extension
D28	$\frac{1}{2}$ " Double Hex Socket	T114	14" Hinged Offset
D30	$\frac{11}{16}$ " Double Hex Socket	T115	$\frac{3}{8}$ " x 10 $\frac{1}{2}$ " Handle Bar
D31	$\frac{13}{16}$ " Double Hex Socket	508	Speeder
D32	1" Double Hex Socket	911X	Ratchet

OK30 Set, Complete. Price £3 14 3

## SET No. OK50W

Price £4 19 0

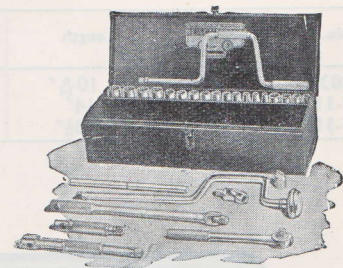
### CONTENTS OF SET

Whitworth Bolt Size	Socket Opening Size	Cat. No.	
$\frac{1}{8}$ "	$\frac{1}{8}$ "	WD52	Double Hex Socket
$\frac{9}{16}$ "	$\frac{9}{16}$ "	WD60	Double Hex Socket
$\frac{5}{8}$ "	$\frac{5}{8}$ "	WD71	Double Hex Socket
$\frac{11}{16}$ "	$\frac{11}{16}$ "	WD82	Double Hex Socket
$\frac{13}{16}$ "	$\frac{13}{16}$ "	WD92	Double Hex Socket
$\frac{15}{16}$ "	1"	WD101	Double Hex Socket
1"	$1\frac{1}{8}$ "	WD110	Double Hex Socket
$1\frac{1}{8}$ "	$1\frac{1}{8}$ "	WD120	Double Hex Socket

### TOOLS

T1	Tie Rod Attachment	508	Speeder
T2	Universal Joint	911X	Ratchet
T10	10" Extension	T4	Sliding Tee
T114	14" Hinged Offset	110X	Offset Handle
T115	$\frac{3}{8}$ " x 10 $\frac{1}{2}$ " Handle Bar	3310	Tee Handle

D14	$\frac{1}{2}$ " Double Hex Socket
D16	$\frac{5}{8}$ " Double Hex Socket
D18	$\frac{7}{8}$ " Double Hex Socket
D19	$\frac{1}{2}$ " Double Hex Socket
D20	$\frac{9}{16}$ " Double Hex Socket
D21	$\frac{5}{8}$ " Double Hex Socket
D22	$\frac{11}{16}$ " Double Hex Socket
D24	$\frac{3}{4}$ " Double Hex Socket
D25	$\frac{13}{16}$ " Double Hex Socket
D26	$\frac{15}{16}$ " Double Hex Socket
D28	$\frac{1}{2}$ " Double Hex Socket



## SET No. OK50M

METRIC STANDARD. Handles and Attachments same as Set No. OK50W, but with Sockets as follows:

### ONE EACH METRIC SOCKETS, DOUBLE HEXAGON

Socket No.	Socket Opening Size	Metric Bolt Size	Socket No.	Socket Opening Size	Metric Bolt Size
MD10	10 m/m	6 m/m	MD21	21 m/m	12 m/m
MD12	12 m/m	7 m/m	MD23	23 m/m	14 m/m
MD14	14 m/m	8 m/m	MD26	26 m/m	16 m/m
MD16	16 m/m	9 m/m	MD29	29 m/m	18 m/m
MD17	17 m/m	10 m/m			

### DOUBLE HEXAGON

Socket No.	Socket Opening Size	Socket No.	Socket Opening Size	Socket No.	Socket Opening Size	Socket No.	Socket Opening Size
D14	$\frac{1}{2}$ "	D19	$\frac{11}{16}$ "	D22	$\frac{1}{2}$ "	D26	$\frac{11}{16}$ "
D16	$\frac{5}{8}$ "	D20	$\frac{3}{4}$ "	D24	$\frac{3}{4}$ "	D28	$\frac{7}{8}$ "
D18	$\frac{7}{8}$ "	D21	$\frac{13}{16}$ "	D25	$\frac{13}{16}$ "		

Packed in Steel Case. 20 $\frac{1}{8}$ " long, 7 $\frac{3}{8}$ " wide x 5 $\frac{1}{2}$ " deep.

SET No. OK50M, Complete. Price £4 13 0



## BLACKHAWK SOCKET WRENCHES AND HANDLES

### "OK" FINISH

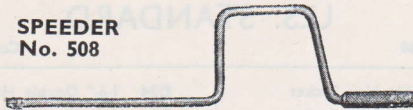
**BRACE  
HANDLE  
No. 500**



Has wide sweep and revolving end grip. Every mechanic needs it.

No.	Stock Diameter	Length	Shank Length	Sweep	Square Drive	Price
500	$\frac{1}{2}$ "	15 $\frac{5}{8}$ "	4 $\frac{7}{8}$ "	4 $\frac{3}{4}$ "	$\frac{1}{2}$ "	4/9

**SPEEDER  
No. 508**



Long shank, comfortable revolving grip and efficient sweep. The speediest of speeders. Saves time on all repair jobs.

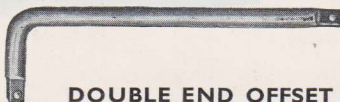
No.	Stock Diameter	Length	Shank Length	Sweep	Square Drive	Price
508	$\frac{1}{2}$ "	19"	8 $\frac{1}{2}$ "	4 $\frac{3}{4}$ "	$\frac{1}{2}$ "	5/-



**OFFSET HANDLE No. 110X**

A sturdy handle to shift nuts of all kinds. Built for power. Comfortable knurled grip saves your hands.

No.	Stock Diameter	Length	Square Drive	Price
110X	$\frac{1}{2}$ "	10 $\frac{3}{16}$ "	$\frac{1}{2}$ "	3/9
T-114	$\frac{1}{2}$ "	14"	$\frac{1}{2}$ "	8/3
T-115	$\frac{1}{2}$ "	10 $\frac{1}{2}$ "	$\frac{1}{2}$ "	1/3

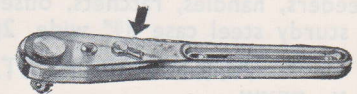


**DOUBLE END OFFSET No. T5**

Takes sockets on both ends—each equipped with  $\frac{1}{2}$ " square drive. Makes either a long or short L offset. Handy as you'll find.

No.	Stock Diameter	Length	Square Drive	Price
T-5	$\frac{21}{32}$ "	3 x 10"	$\frac{1}{2}$ "	2/9

**RATCHET  
WRENCH**



For fast action in close quarters—and long leverage to jerk nuts loose or set them home. And two new features—instantly reversed by flipping lever conveniently located on top of handle; not necessary to remove socket nor shift lug.

No.	Length	Square Drive	Price
911X	10"	$\frac{1}{2}$ "	10/3

**EXTENSION  
BARS**



No mechanic's kit is complete without these bars. They reach down in where regular handles fall short. Two useful lengths—6" and 10".

No.	Stock Diameter	Length	Square Drive	Price
T6	$\frac{1}{2}$ "	6"	$\frac{1}{2}$ "	3/-
T10	$\frac{1}{2}$ "	10"	$\frac{1}{2}$ "	3/9

**TEE HANDLE No. 3310**



A fast nut twister—the mechanic's favourite wrench. Swivel grip and 7 $\frac{1}{4}$ " handle speeds it up. It's a time saver—important these days.

No.	Stock Diameter	Length	Square Drive	Price
3310	$\frac{1}{2}$ "	12"	$\frac{1}{2}$ "	3/9



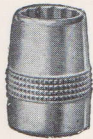
**SLIDING TEE**

The mechanic's all-round wrench—does a thousand and one tasks. Handle slides freely through socket head. Use it with an extension to make either a T or L handle.

No.	Stock Diameter	Length	Square Drive	Price
T-4	$\frac{9}{16}$ "	10 $\frac{1}{4}$ "	$\frac{1}{2}$ "	3/9



## BLACKHAWK SOCKETS "OK" FINISH



### STANDARD SERIES DOUBLE HEXAGON

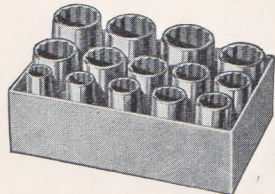
$\frac{1}{2}$ " Square Drive

#### WHITWORTH STANDARD Double Hexagon Sockets

No.	Socket Opening Size	Whit. Bolt Size	Price
No. WD52	$\frac{9}{16}$ "	$\frac{1}{4}$ "	1/6
No. WD60	$\frac{5}{8}$ "	$\frac{5}{16}$ "	1/9
No. WD71	$\frac{3}{4}$ "	$\frac{3}{8}$ "	1/9
No. WD82	$\frac{13}{16}$ "	$\frac{7}{8}$ "	1/9
No. WD92	$\frac{15}{16}$ "	$\frac{15}{16}$ "	2/3
No. WD101	1"	1"	2/3
No. WD110	$\frac{11}{16}$ "	$\frac{9}{8}$ "	2/9
No. WD120	$\frac{13}{16}$ "	$\frac{11}{8}$ "	2/9
No. WD130	$\frac{15}{16}$ "	$\frac{13}{8}$ "	4/-

#### METRIC STANDARD Double Hexagon Sockets

No.	Socket Opening Size	Metric Bolt Size	Price
No. MD10	10 m/m	6 m/m	1/6
No. MD12	12 m/m	7 m/m	1/6
No. MD14	14 m/m	8 m/m	1/9
No. MD16	16 m/m	9 m/m	1/9
No. MD17	17 m/m	10 m/m	1/9
No. MD21	21 m/m	12 m/m	1/9
No. MD23	23 m/m	14 m/m	2/3
No. MD26	26 m/m	16 m/m	2/6
No. MD29	29 m/m	18 m/m	2/9



### DOUBLE HEXAGON SOCKET SET

$\frac{1}{2}$ " Square Drive

No. 14Z contains fourteen double hexagon (12 point) sockets packed in fibre box. One each of all numbers from D14 to D32— $\frac{7}{16}$ " to 1".

Set No. 14Z, in Fibre Box.

Price 23/9

### STANDARD SERIES DOUBLE HEXAGON SOCKETS

$\frac{1}{2}$ " Square Drive

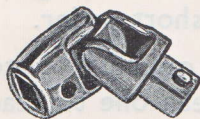
Socket No.	Socket Size	Price	Socket No.	Socket Size	Price
D12	$\frac{3}{8}$ "	1/-	D25	$\frac{25}{32}$ "	1/9
D14	$\frac{7}{16}$ "	1/3	D26	$\frac{13}{16}$ "	1/9
D16	$\frac{1}{2}$ "	1/3	D28	$\frac{7}{8}$ "	1/9
D18	$\frac{9}{16}$ "	1/6	D30	$\frac{15}{16}$ "	2/-
D19	$\frac{19}{32}$ "	1/6	D31	$\frac{31}{32}$ "	2/-
D20	$\frac{5}{8}$ "	1/9	D32	1"	2/-
D21	$\frac{21}{32}$ "	1/9	D34	$1\frac{1}{16}$ "	2/3
D22	$\frac{11}{16}$ "	1/9	D36	$1\frac{1}{8}$ "	2/3
D24	$\frac{3}{4}$ "	1/9	D40	$1\frac{3}{4}$ "	2/6

### STANDARD SERIES, SQUARE SOCKETS

$\frac{1}{2}$ " Square Drive No. 012 Series

Socket No.	Socket Size	Price	Socket No.	Socket Size	Price
012	$\frac{3}{8}$ "	1/3	025	$\frac{25}{32}$ "	1/9
014	$\frac{7}{16}$ "	1/3	026	$\frac{13}{16}$ "	1/9
016	$\frac{1}{2}$ "	1/3	028	$\frac{7}{8}$ "	1/9
018	$\frac{9}{16}$ "	1/6	030	$\frac{15}{16}$ "	2/3
019	$\frac{19}{32}$ "	1/6	032	1"	2/3
020	$\frac{5}{8}$ "	1/9	034	$1\frac{1}{16}$ "	2/6
022	$\frac{11}{16}$ "	1/9	040	$1\frac{3}{4}$ "	2/9
024	$\frac{3}{4}$ "	1/9			

### UNIVERSAL JOINTS



Nos. T2—T2X

Should be in every mechanic's kit. These Universal Joints are sturdily made and give full 90° angle.

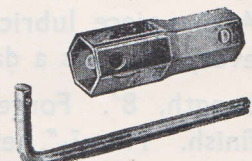
No.	Series	Male End	Square Drive	Price
T2	Standard	$\frac{1}{2}$ " sq.	$\frac{1}{2}$ " sq.	6/-

### SPARK PLUG SOCKETS

No. 3327—For all  $\frac{13}{16}$ " hexagon spark plugs, without handle ... 2/3

No. 3329—For all  $\frac{7}{8}$ " and 1" hexagon spark plugs, without handle 2/3

No. 3731—For all  $\frac{15}{16}$ " and  $1\frac{1}{8}$ " hexagon spark plugs, without handle 2/3



Nos. 3327-3329-3731 Handle.

### TIE ROD AND SCREWDRIVER ATTACHMENT No. TI

For ordinary car work,  $\frac{1}{2}$ " square drive. Size of blade,  $\frac{15}{16}$ " x  $\frac{7}{16}$ ". Price 1/9



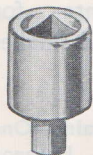
No. TI

### SQUARE DRAIN PLUGS

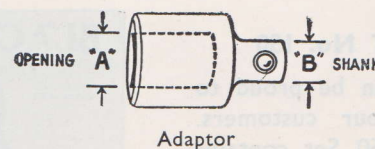
$\frac{1}{2}$ " Square Drive

Complete series to fit all female drain plugs on transmissions, oil pans, differentials, shock absorbers, etc.

No. 710 Series



Part No.	Size Plug	List Price	Part No.	Size Plug	List Price
710	$\frac{5}{16}$ " sq.	1/3	718	$\frac{9}{16}$ " sq.	1/3
712	$\frac{3}{8}$ " sq.	1/3	720	$\frac{5}{8}$ " sq.	1/3
714	$\frac{7}{16}$ " sq.	1/3	724	$\frac{3}{4}$ " sq.	1/3
716	$\frac{1}{2}$ " sq.	1/3			



Adaptor

### ADAPTORS

Provide an inexpensive means of increasing or decreasing square shank size to accommodate various square socket openings.

Adaptor No.	Square Opening "A"	Used on Handles to	Square Shank "B"	Price
69992	$\frac{1}{16}$ "	Increase to	$\frac{3}{4}$ "	4/6
*69991	$\frac{3}{16}$ "	Decrease to	$\frac{1}{2}$ "	5/-

\* Ratchet drive adaptors.



## BLACKHAWK WRENCHES

### THE ADJUSTO WRENCH No. 151

NEW, INGENIOUS, AND A BEAUTY FOR LUBRICATION WORK



A new lubrication service tool adjustable to fit all drain plugs, square or hexagon, male or female. Can be used universally on all transmissions, differentials, shock absorbers, petrol tanks, and vacuum tank drain and filler plugs.

It's new and unique—jaws are adjusted by a twist of the thumb on knurled sleeve—not the handle grip as with ordinary drain plug wrenches. Jaw adjustment is not affected by pulling or twisting the grip.

Comfortable, knurled grip—practical length 9". Chrome vanadium steel—cadmium plated.

Adjustable sockets and plugs to fit—hexagon male plugs,  $\frac{7}{16}$ " to  $1\frac{1}{2}$ "; square male plugs,  $\frac{3}{16}$ " to  $1\frac{1}{4}$ "; square female openings,  $\frac{5}{16}$ " to 1". **Price 15/9**

### THE MULTI-PLUG WRENCH No. 152

ONE PIECE CONSTRUCTION—FITS ALL FEMALE PLUGS



A one-piece lubrication service tool—handy and compact—to fit practically all female plugs on every car. It's a dandy—built to sneak into odd places—it sure does the job in short order.

Length, 8". Forged of chrome nickel steel—heat-treated for strength—with cadmium plated finish. Has  $\frac{7}{16}$ " hexagon lug to fit the Hudson and Essex clutch drain plug—a mean one to reach with ordinary tools, but a snap for the Multi-Plug.

The No. 152 has the following sized plugs:  $\frac{5}{16}$ ",  $\frac{11}{32}$ ",  $\frac{3}{8}$ ",  $\frac{7}{16}$ ",  $\frac{1}{2}$ ",  $\frac{9}{16}$ ",  $\frac{5}{8}$ " square, and  $\frac{7}{16}$ " hexagon. Here is a popularly priced drain plug wrench that every service station should have.

**Price 8/3**

### "HEXET" SET No. 150

Here is a set you can be proud to sell every one of your customers. The "Hexet" No. 150 Set contains six hexagon sockets and one combination offset and extension handle packed in shiny black steel case.

All sockets properly heat-treated. An ideal set for the man who



loves to tinker around his car. Note the attractive display counter for dealers. Holds six sets, and makes sales easy.

"HEXET" Set No. 150 Contains—One each Offset Handle  $7\frac{1}{2}$ " long, Hexagon Sockets,  $\frac{1}{2}$ ",  $\frac{9}{16}$ ",  $\frac{5}{8}$ ",  $\frac{11}{16}$ ",  $\frac{3}{4}$ " and  $\frac{7}{8}$ ". ( $\frac{1}{2}$ " Hexagon drive).

**"Hexet" Set No. 150.  
Price 5/-**







